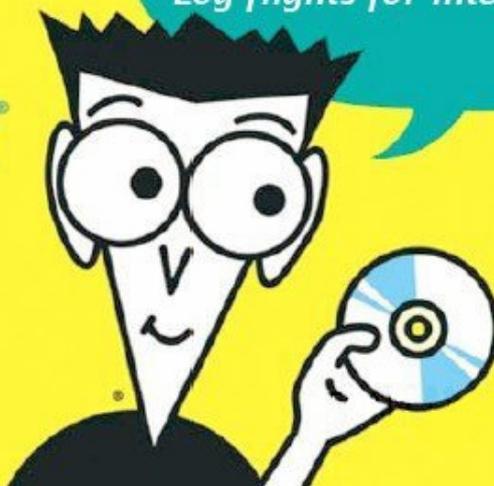


*Join the World online XC league in minutes  
Log flights and join the action*

# **Leonardo XC league FOR DUMMIES®**

***A Reference  
for the  
Rest of Us!®***

*Learn how to take part  
in a Leonardo XC league  
Compete with your club  
Log flights for interest*



## Introduction

The original world online competition (OLC) has all but been replaced by an open-source alternative called Leonardo. Currently there are two international Leonardo databases, one hosted by DHV and the other by [www.paraglidingforum.com](http://www.paraglidingforum.com).

Additionally there are at least three other major national installations:

Brazilian: [http://xc.ciclone.com.br/modules.php?name=leonardo&op=list\\_flights](http://xc.ciclone.com.br/modules.php?name=leonardo&op=list_flights)

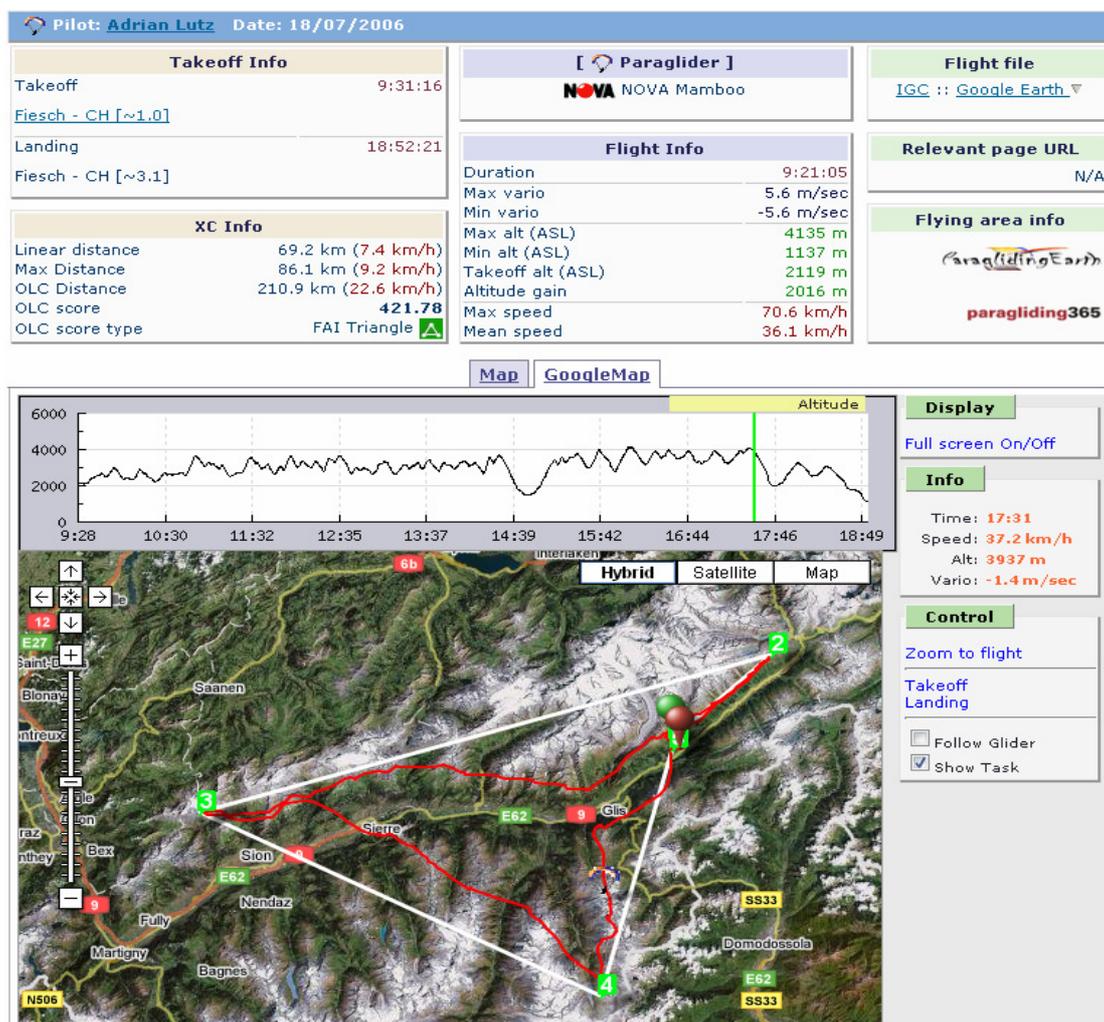
Portugal: <http://www.xcportugal.com/modules.php?name=leonardo>

Greek: [http://www.sky.gr/modules.php?name=leonardo&op=list\\_flights](http://www.sky.gr/modules.php?name=leonardo&op=list_flights)

Leonardo offers an incredibly fast, easy and user-friendly interface where flights can be categorized by distance, club, nation etc. Individual flight track logs can be viewed online and flight statistics analysed.

Not only does Leonardo provide an excellent platform for world, club and national XC leagues, it also doubles as a fantastic online log-book.

This guide outlines how to join Paragliding Forum's Leonardo server and begin uploading flight track logs.



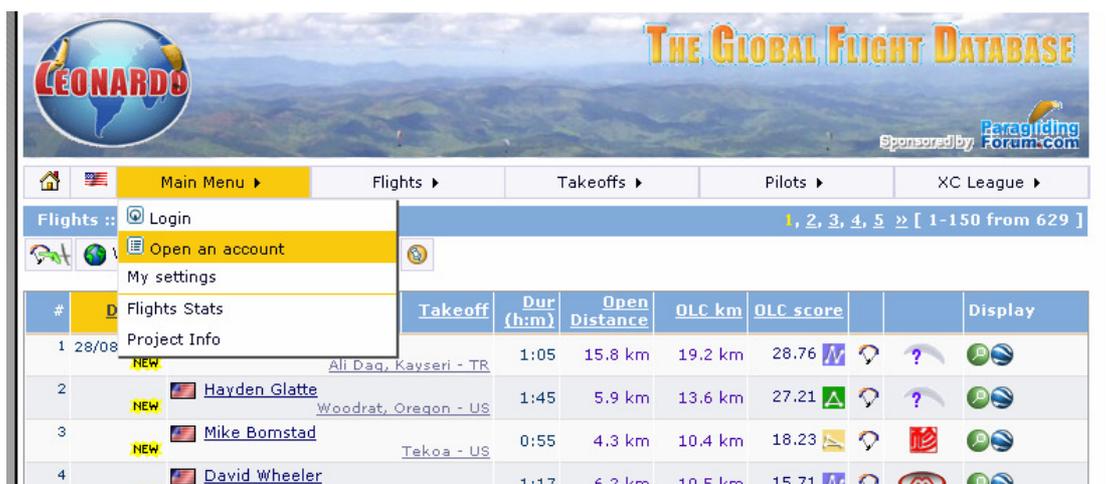
## Step 1: Joining the server

Joining the server is a once off task and takes about ten minutes to complete

1. Google for “paragliding forum leonardo” or just browse to the following internet link

[http://www.paraglidingforum.com/modules.php?name=leonardo&op=list\\_flights&year=2007&month=08&pilotID=0&takeoffID=0&country=0&cat=0&clubID=0](http://www.paraglidingforum.com/modules.php?name=leonardo&op=list_flights&year=2007&month=08&pilotID=0&takeoffID=0&country=0&cat=0&clubID=0)

2. Click the “Main menu” button and on the drop down list select “Open an account” as in the picture below.



The screenshot shows the Leonardo forum interface. At the top, there's a banner for 'THE GLOBAL FLIGHT DATABASE' with a 'Paragliding Forum.com' logo. Below the banner is a navigation bar with 'Main Menu', 'Flights', 'Takeoffs', 'Pilots', and 'XC League'. The 'Main Menu' dropdown is open, showing options: 'Login', 'Open an account', 'My settings', 'Flights Stats', and 'Project Info'. The 'Open an account' option is highlighted. Below the menu is a table of flight records with columns: '#', 'D', 'Takeoff', 'Dur (h:m)', 'Open Distance', 'OLC km', 'OLC score', and 'Display'. The table contains four rows of flight data.

#	D	Takeoff	Dur (h:m)	Open Distance	OLC km	OLC score	Display
1	28/08	Ali Daq, Kayseri - TR	1:05	15.8 km	19.2 km	28.76	[Icons]
2		Hayden Glatte Woodrat, Oregon - US	1:45	5.9 km	13.6 km	27.21	[Icons]
3		Mike Bomstad Tekoa - US	0:55	4.3 km	10.4 km	18.23	[Icons]
4		David Wheeler	1:17	6.2 km	10.5 km	15.71	[Icons]

3. Agree to the terms



The screenshot shows the registration agreement terms page on Paragliding Forum.com. The page has a blue header with the forum logo and navigation links. Below the header is a table with three columns: 'Topics', 'Members', and 'Other'. The main content area is titled 'Paragliding Forum - Registration Agreement Terms' and contains several paragraphs of text regarding forum rules, user agreement, and cookie usage. At the bottom, there are two buttons: 'I Agree to these terms, let me register' and 'I do not agree to these terms'.

Topics	Members	Other
<a href="#">View all topics</a>	<a href="#">View pilot profiles</a>	<a href="#">Leonardo</a>
<a href="#">Register</a>	<a href="#">Edit pilot profile</a>	<a href="#">Site stats</a>
<a href="#">Search</a>	<a href="#">Edit your profile</a>	<a href="#">Your posts</a>
<a href="#">Favorites</a>	<a href="#">Private messages</a>	<a href="#">Who is online</a>
	<a href="#">Log in (problem?)</a>	<a href="#">FAQ</a>

**Paragliding Forum - Registration Agreement Terms**

While the administrators and moderators of this forum will attempt to remove or edit any generally objectionable material as quickly as possible, it is impossible to review every message. Therefore you acknowledge that all posts made to these forums express the views and opinions of the author and not the administrators, moderators or webmaster (except for posts by these people) and hence will not be held liable.

You agree not to post any abusive, obscene, vulgar, slanderous, hateful, threatening, sexually-oriented or any other material that may violate any applicable laws. Doing so may lead to you being immediately and permanently banned (and your service provider being informed). The IP address of all posts is recorded to aid in enforcing these conditions. You agree that the webmaster, administrator and moderators of this forum have the right to remove, edit, move or close any topic at any time should they see fit. As a user you agree to any information you have entered above being stored in a database. While this information will not be disclosed to any third party without your consent the webmaster, administrator and moderators cannot be held responsible for any hacking attempt that may lead to the data being compromised.

This forum system uses cookies to store information on your local computer. These cookies do not contain any of the information you have entered above; they serve only to improve your viewing pleasure. The e-mail address is used only for confirming your registration details and password (and for sending new passwords should you forget your current one).

You agree to provide your first and last name.

By clicking Register below you agree to be bound by these conditions.

**To avoid log in problems please read the following information:**

Make sure you will **enter your email correctly**, you will receive an email from paraglidingforum.com containing a **link which you will have to click** in order to activate your account (**without activation you cannot log in**).

If you do not get the activation email and the email address you entered it is correct, it means the activation email is blocked by your email server or your email client (the program you use to read your email) as **SPAM**, in that case please **check in your spam folder(s)**.

[I Agree to these terms, let me register](#)

[I do not agree to these terms](#)

- Fill in your personal details (Note PG Forum protects your email address but for those concerned use a spare but VALID email address as PG Forum requests registration confirmation via your email address).

Paragliding Forum.com  
All topics Leonardo Gallery

Paragliding Forum Forum Index

Topics	Members	Other
<a href="#">View all topics</a>	<a href="#">View pilot profiles</a>	<a href="#">Leonardo</a>
<a href="#">Register</a>	<a href="#">Edit pilot profile</a>	<a href="#">Site stats</a>
<a href="#">Search</a>	<a href="#">Edit your profile</a>	<a href="#">Your posts</a>
<a href="#">Favorites</a>	<a href="#">Private messages</a>	<a href="#">Who is online</a>
	<a href="#">Log in (problem?)</a>	<a href="#">FAQ</a>

Items marked with a \* are required unless stated otherwise.

Username: \*

E-mail address: \*  (make 100% sure you **type it correctly** or you will not be able to log in)

First Name: \* (this is a real names forum)  (your real first name)

Last Name: \* (this is a real names forum)  (your real family name)

Password: \*

Confirm password: \*

Profile Information

This information will be publicly viewable

ICQ Number:

AIM Address:

MSN Messenger:

Yahoo Messenger:

Website:

Location:

Occupation:

Interests:

Signature:  
This is a block of text that can be added to posts you make. There is a 256 character limit.

HTML is  ON  
BBCode is  ON  
Smilies are  ON

- Press submit at the bottom of the form.
- The site will notify you that a “registration confirmation” email has been sent to the given email address. It can take a while for this email to arrive so wait a few hours at least before trying to register again.

Paragliding Forum.com  
All topics Leonardo Gallery

Paragliding Forum Forum Index

Topics	Members	Other
<a href="#">View all topics</a>	<a href="#">View pilot profiles</a>	<a href="#">Leonardo</a>
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<a href="#">Favorites</a>	<a href="#">Private messages</a>	<a href="#">Who is online</a>
	<a href="#">Log in (problem?)</a>	<a href="#">FAQ</a>

Information

Your account has been created. However, this forum requires account activation. An activation key has been sent to the e-mail address you provided. Please check your e-mail for further information

Click [Here](#) to return to the Index

- When you receive the email (example below) be sure to click on the link they provide to activate your account.

Welcome to Paragliding Forum Forums

Please keep this email for your records. Your account information is as follows:

-----  
 Username: RyanTest77  
 Password: test  
 -----

Your account is currently inactive. You cannot use it until you visit the following link:

[http://www.paraglidingforum.com/profile.php?mode=activate&u=9269&act\\_key=5fa418834aa](http://www.paraglidingforum.com/profile.php?mode=activate&u=9269&act_key=5fa418834aa)

Please do not forget your password as it has been encrypted in our database and we cannot retrieve it for you. However, should you forget your password you can request a new one which will be activated in the same way as this account.

Thank you for registering.

--  
 from paraglidingforum.com

- After clicking on the link you should get the acceptance screen. If you get an error make sure that the ENTIRE link given in your email is in the address bar of your internet browser. If only part of the link is in your address bar fill in the missing section by hand or by copy and paste.
- Once again Google for “paragliding forum leonardo” or just browse to the following internet link (add it to your favourites)  
[http://www.paraglidingforum.com/modules.php?name=leonardo&op=list\\_flights&year=2007&month=08&pilotID=0&takeoffID=0&country=0&cat=0&clubID=0](http://www.paraglidingforum.com/modules.php?name=leonardo&op=list_flights&year=2007&month=08&pilotID=0&takeoffID=0&country=0&cat=0&clubID=0)
- Click the “Main menu” drop down then select “Login”.

The screenshot shows the Leonardo website interface. At the top, there is a logo for 'LEONARDO' and the text 'THE GLOBAL FLIGHT DATABASE' and '1st Paragliding Club of South Africa'. Below the header is a navigation menu with options: Main Menu, Flights, Takeoffs, Pilots, and XC League. A dropdown menu is open under 'Main Menu', showing options: Login, Open an account, My settings, Flights Stats, and Project Info. Below the navigation is a table of flight statistics for Ryan Mulholland.

#	Pilot	Number of flights	Best Distance	Total distance km	Total flight duration	Total OLC scoring	Best OLC score
1	Ryan Mulholland	14	27.3 km	225.7 km	14:16:04	418.87	47.14

Return to top

- Enter your username and password as given during the registration process. Also tick “Log me on automatically each visit”.

The screenshot shows the login page for 'The Global Flight Database'. At the top, there is a banner with the Leonardo logo on the left and the text 'THE GLOBAL FLIGHT DATABASE' on the right. Below the banner, it says '1st Paragliding Club of South Africa' and 'Sponsored by Paragliding Forum.com'. A navigation menu includes 'Main Menu', 'Flights', 'Takeoffs', 'Pilots', and 'XC League'. The main content area has a heading 'Please enter your username and password to log in.' and a 'Login' form. The form contains fields for 'Username' (filled with 'RyanTest77'), 'Password' (filled with '\*\*\*\*'), and a checked checkbox for 'Log me on automatically each visit:'. A 'Login' button and a link for 'I forgot my password' are also present. At the bottom, there is a red text link: 'If you have problems to log in contact the administrator'.

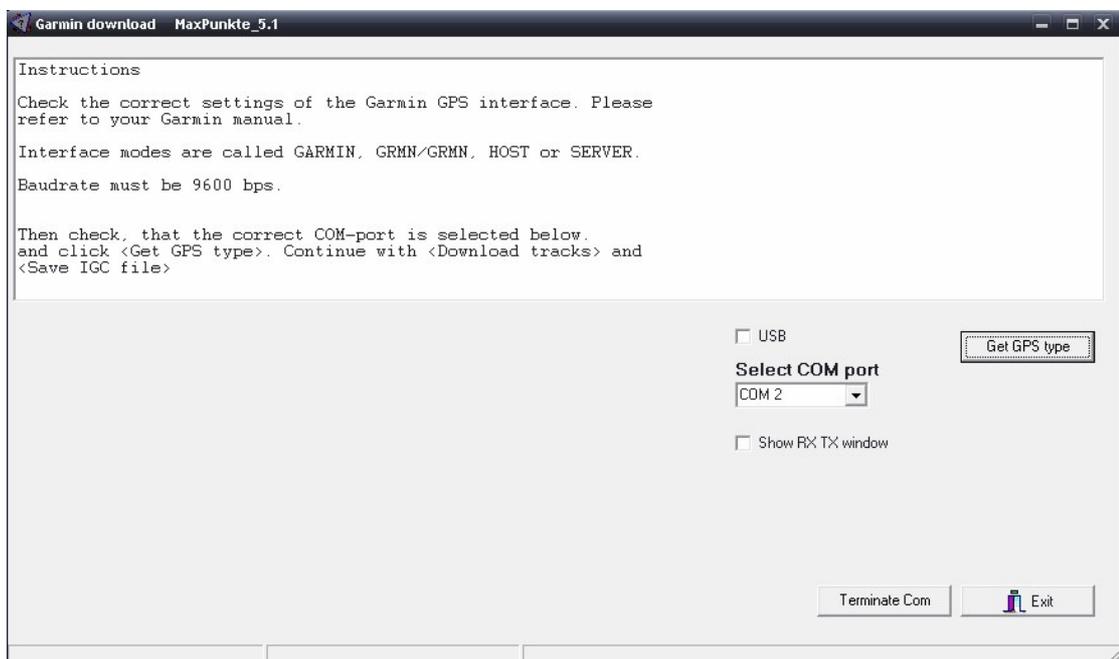
- Click the “Main menu” drop down then select “My profile” then “Edit profile”  
The screen below will appear.

The screenshot shows the 'Edit profile' page for a pilot named 'euroryan'. The page has a navigation menu at the top with 'Main Menu', 'Flights', 'Takeoffs', 'Pilots', and 'XC League'. Below the menu, the pilot's profile is displayed with the name 'euroryan' and links for 'Pilot's Flights', 'View Profile', and 'Submit - Change Data'. The profile is divided into three sections: 'Personal Stuff', 'Flying Stuff (if applicable note place-country and date)', and 'Equipment Stuff'.  
**Personal Stuff:** Fields include First Name (Ryan), Last Name (Mulholland), Country (South Africa), Sponsor (0), Birthdate (07.10.78), Sign (Libra), Marital Status (Single), Occupation (Electrical Engineer), Web Page, and Other Interests. There is a photo of the pilot and a 'Delete Photo' checkbox.  
**Flying Stuff:** Fields include Flying Since (1998), Pilot Licence (Basic), Paragliding training, Favorite Location, Usual Location, Best Flying Memory (Flying many hours, getting high and going far), Worst Flying Memory (Not enough hours), Personal Distance Record (Far), Personal Height Record (High), Hours Flown (Many), and Hours Per Year (Not enough).  
**Equipment Stuff:** Fields include Glider (Gradient Golden 2) and Vario (Brauniger).

13. The only critical pieces of info are your full name, your nationality and you glider (be sure to fill in the manufacturer AND model i.e. “Gradient Avax”).
14. Once you have filled in all your details click on “Submit – Change data”
15. That’s it, you are done! The next section covers the process of getting IGC track logs off your GPS and uploading them to your Leonardo account.

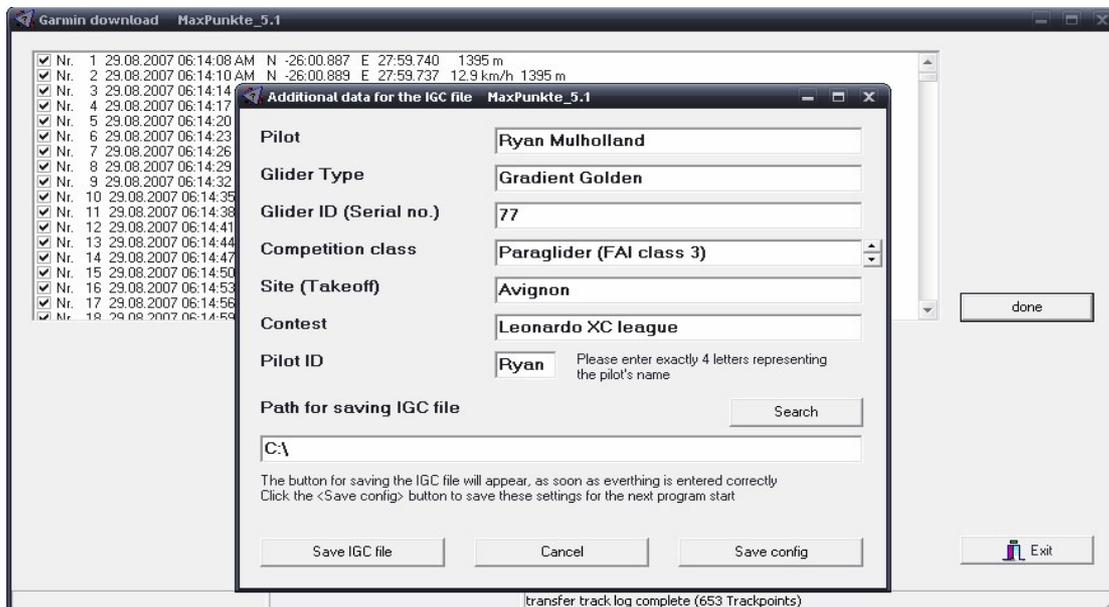
## **Step 2: Downloading IGC track logs from your GPS and uploading them to Leonardo**

1. Install the program “Maxpunkte” it is freeware and certified virus-free. It can be found at this link (or if the link is dead just Google for it)  
<http://www.maxpunkte.de/download.html>
2. Once installed, connect your GPS, vario or data logger and start the program.
3. Click “Download-flight-recorder” and choose the unit which matches yours.
4. Each selected unit brings up a slightly different screen, just follow the instructions in the white box. Be sure to select the correct com port. Here is the screen that appears for Garmin.



5. Follow the instructions to download your track then press “Save IGC file”
6. On the screen that appears tick the correct track and press “continue” then “done”.

- The screen below appears. Fill in your details then press “Save config”. This ensures your details are stored and never have to be filled in again. Select a destination folder and press “Save IGC file”



- Your IGC file is now saved and ready for uploading to PG Forum’s world Leonardo server.

- Go to the PG Forum Leonardo webpage (add it to your favourites now) [http://www.paraglidingforum.com/modules.php?name=leonardo&op=list\\_flights&year=2007&month=08&pilotID=0&takeoffID=0&country=0&cat=0&clubID=0](http://www.paraglidingforum.com/modules.php?name=leonardo&op=list_flights&year=2007&month=08&pilotID=0&takeoffID=0&country=0&cat=0&clubID=0)

- If required select “Main menu” then “Login”

- Once logged in select “Main menu” then “Submit flight”

**Submit flight**  
(only the IGC file is needed)

Submit the IGC file of the flight:

Glider type:  Category:

Comments for the flight  
*Please note the takeoff name location and country*

Glider:

Relevant page URL:

Photo #1:

Photo #2:

Photo #3:

Photo #4:

Photo #5:

Photo #6:

*Photos should be in jpg format and smaller than 3000 Kb*

*Do you want to submit many flights at once ? [Click here](#)*

12. Browse to the IGC file you saved with Maxpunkte
13. Set your glider type to paraglider and choose your category. Then fill in your glider make (or select it from the drop down menu on the left) ensuring that once again you include the manufacturer AND model.
14. Hit “Press here to submit flight”
15. That’s it! You are done! Your flight will be loaded into the database where you can view it and compare it to other flights in your country, club, site etc.
16. If desired one can also load a batch of IGC files that are compressed together in a zip file. This is done by selecting “Main menu” then “Submit flights from zip”

**THE GLOBAL FLIGHT DATABASE**  
Sponsored by Paragliding Forum.com

Home | USA | Main Menu ▶ | Flights ▶ | Takeoffs ▶ | Pilots ▶ | XC League ▶

League results :: Paraglider :: ALL TIMES

World Wide ▶ | ALL TIMES ▶

OLC | FAI Triangle | Open Distance | Duration | Altitude gain

**OLC (6 best flights)**

#	Pilot	OLC total score	#1	#2	#3	#4	#5	#6	
1	SOL Sports	2653.32	<a href="#">529.68</a>	<a href="#">525.33</a>	<a href="#">488.19</a>	<a href="#">405.41</a>	<a href="#">359.16</a>	<a href="#">345.54</a>	
2	Erik Rehnfeldt	2005.69	<a href="#">423.24</a>	<a href="#">418.45</a>	<a href="#">316.75</a>	<a href="#">294.35</a>	<a href="#">283.34</a>	<a href="#">269.57</a>	
3	Uli Strasser	1880.67	<a href="#">361.89</a>	<a href="#">311.52</a>	<a href="#">307.47</a>	<a href="#">306.28</a>	<a href="#">304.64</a>	<a href="#">288.87</a>	
4	Dioqo Pires	1679.53	<a href="#">577.80</a>	<a href="#">424.47</a>	<a href="#">237.27</a>	<a href="#">167.74</a>	<a href="#">136.38</a>	<a href="#">135.87</a>	
5	Adrian Lutz	1610.99	<a href="#">421.78</a>	<a href="#">315.61</a>	<a href="#">296.47</a>	<a href="#">236.44</a>	<a href="#">170.66</a>	<a href="#">170.03</a>	
6	Olympio Faissol	1580.83	<a href="#">345.33</a>	<a href="#">296.09</a>	<a href="#">237.87</a>	<a href="#">237.44</a>	<a href="#">235.20</a>	<a href="#">228.89</a>	
7	Miha Mlakar	1560.04	<a href="#">313.53</a>	<a href="#">298.14</a>	<a href="#">261.13</a>	<a href="#">235.56</a>	<a href="#">226.64</a>	<a href="#">225.03</a>	
8	Michael Sigel	1519.34	<a href="#">352.64</a>	<a href="#">349.91</a>	<a href="#">297.87</a>	<a href="#">297.30</a>	<a href="#">221.62</a>	-	
9	Thomas Ide	1506.29	<a href="#">321.33</a>	<a href="#">294.07</a>	<a href="#">246.53</a>	<a href="#">245.49</a>	<a href="#">204.53</a>	<a href="#">194.33</a>	
10	Will Gadd	1454.10	<a href="#">338.27</a>	<a href="#">317.77</a>	<a href="#">265.62</a>	<a href="#">228.95</a>	<a href="#">173.91</a>	<a href="#">129.58</a>	
11	Donizete lemos	1442.62	<a href="#">353.36</a>	<a href="#">292.75</a>	<a href="#">268.28</a>	<a href="#">187.69</a>	<a href="#">175.63</a>	<a href="#">164.92</a>	
12	Eduardo Sánchez Granel	1436.44	<a href="#">326.04</a>	<a href="#">291.53</a>	<a href="#">252.48</a>	<a href="#">196.75</a>	<a href="#">194.20</a>	<a href="#">175.44</a>	
13	Ralph Schloeffel	1414.09	<a href="#">294.81</a>	<a href="#">256.74</a>	<a href="#">221.96</a>	<a href="#">219.31</a>	<a href="#">212.31</a>	<a href="#">208.98</a>	
14	Alessandro Cesar	1345.70	<a href="#">276.20</a>	<a href="#">238.48</a>	<a href="#">228.25</a>	<a href="#">228.04</a>	<a href="#">189.76</a>	<a href="#">184.97</a>	
15	Ulrich Prinz	1338.40	<a href="#">276.52</a>	<a href="#">251.02</a>	<a href="#">238.64</a>	<a href="#">203.31</a>	<a href="#">203.01</a>	<a href="#">165.91</a>	
16	Tobias Boris Ebenfeld	1312.59	<a href="#">275.68</a>	<a href="#">216.29</a>	<a href="#">213.22</a>	<a href="#">204.76</a>	<a href="#">203.69</a>	<a href="#">198.95</a>	
17	Pavel Kante	1307.90	<a href="#">346.84</a>	<a href="#">278.60</a>	<a href="#">195.60</a>	<a href="#">172.42</a>	<a href="#">159.53</a>	<a href="#">154.91</a>	
18	Marcos Rocha Cotrina	1300.60	<a href="#">248.41</a>	<a href="#">248.18</a>	<a href="#">230.38</a>	<a href="#">200.44</a>	<a href="#">187.03</a>	<a href="#">186.17</a>	
19	Yavor Plashilski	1281.72	<a href="#">279.97</a>	<a href="#">275.17</a>	<a href="#">210.09</a>	<a href="#">198.59</a>	<a href="#">160.92</a>	<a href="#">156.99</a>	
20	Tom Payne	1276.50	<a href="#">272.70</a>	<a href="#">213.27</a>	<a href="#">204.85</a>	<a href="#">202.10</a>	<a href="#">200.40</a>	<a href="#">183.19</a>	
21	Keith MacCullough	1276.15	<a href="#">339.44</a>	<a href="#">254.45</a>	<a href="#">184.26</a>	<a href="#">180.54</a>	<a href="#">167.77</a>	<a href="#">149.68</a>	
22	Hugo Robben	1240.18	<a href="#">289.16</a>	<a href="#">268.68</a>	<a href="#">184.05</a>	<a href="#">172.69</a>	<a href="#">165.47</a>	<a href="#">160.13</a>	
23	Yurdaer Etike	1170.56	<a href="#">253.52</a>	<a href="#">197.45</a>	<a href="#">188.81</a>	<a href="#">185.86</a>	<a href="#">172.81</a>	<a href="#">172.11</a>	
24	uwe neesen	1166.91	<a href="#">268.54</a>	<a href="#">238.26</a>	<a href="#">217.71</a>	<a href="#">193.71</a>	<a href="#">124.36</a>	<a href="#">124.34</a>	