

DHV

Online Contest



Online Contest

Documentation according to OLC -Rules

This Power-point Presentation describes the process beginning with the start of the flight till the flight claim.

The Presentation should assist the pilot through the different kinds of documentations.



Online Contest

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1. Documentation with inflight-instruments

The flighttrack is documented by the inflight-instrument.
The instrument also saves the elevationdata.

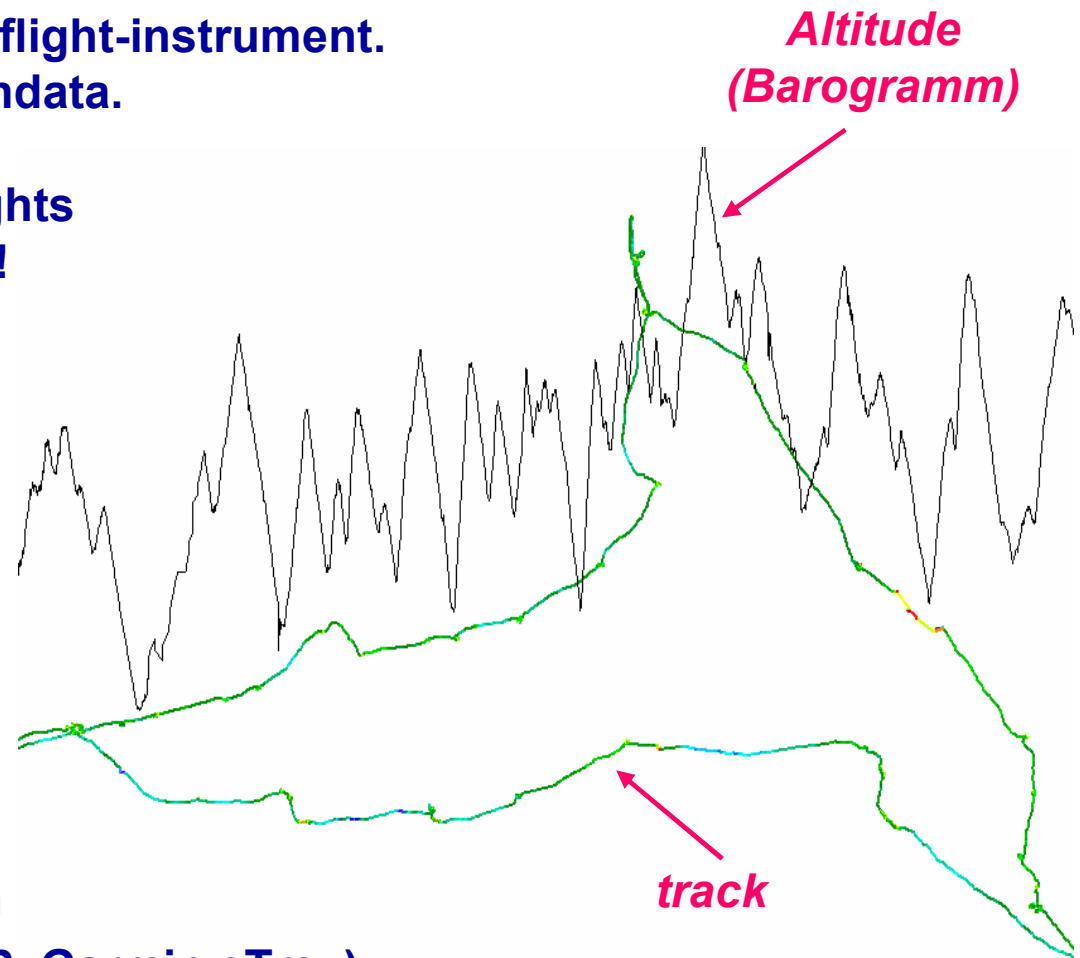
An altitude record is required for all flights exceeding a nominal distance of 75 km!

Track interval:

- Minimum clock rate 60 sec.
- Recommendation 5 to 15 sec.
- Gaps max. 15 min.

The OLC-documentation is possible with the following inflight-instruments:

- GPS and Vario with Barograph
- GPS with log of elevation (MLR, Garmin eTrex)
- Multifunctional instruments (Compeo, Topnavigators, Sol 17E)
- IGC-approved Flight Recorder (Logger)



1. Documentation with inflight-instruments

Multifunctional instruments

Multifunctional instruments have a GPS included. They log all needed data for the OLC.

Advantages: Only 1 instrument which can collect and store all needed data

Disadvantages: expensive



Topnavigator
Aircotec



Compeo
Bräuniger



SOL 17E
Renschler

1. Documentation with inflight-instruments

GPS and Vario with barograph

Variometer (Bräuniger, Flytec) and the Garmin GPS 12 are often used.

The GPS can store the track, the variometer the barogramm.

Corresponding Software is able to combine the data to an igc-file.



Garmin
GPS 12



Flytec



IQ Competition
Bräuniger

1. Documentation with inflight-instruments

GPS with elevation data

Some GPS also store the altitude data beneath the track.

This GPS is perfect for the OLC!

Before buying a GPS, pay attention on the following points:

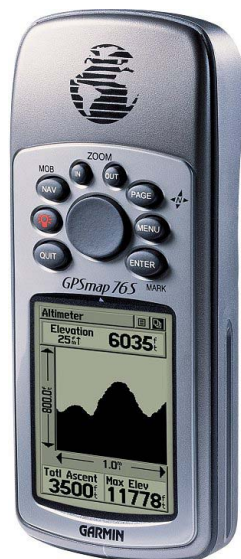
- Should store as many track points as possible
- Adjustable scan rate!!!
- Has to record altitude data!!!
- Low power consumption
- Simple handling

Garmin GPS MAP 76S

The MAP 76S can store up to 5000 track points.

High-priced GPS in the High-quality class.

Price est. € 799.-



Max Logger

The MaxLogger can store up to 32000 track points.

To connect with a GPS is necessary.

Price est. € 149.-



MLR SP24 XC

Can store up to 8000 track points.

Low power consumption and price.

Price est. € 240.-



Garmin GPS eTrex Vista

The eTrex Vista can store up to 2999 track points.

Very small but high-quality GPS.

Price est. € 618.-



2. Flight-preparation

The correct setting of the inflight-instrument is important for the OLC documentation.



- **Correct Setting of the scan rate:**
 - Many GPS instruments have an automatic adjustage of the scan rate. This setting should not be used. A circling pilot produces lots of trackpoints and the memory will be packed-out very fast in case of using this setting.
 - You have to set a fixed scan rate which depends on the available memory (See next page for a example).
- **Setting the record mode:**
 - **Overwrite mode:** Old data will be overwritten when memory is full.
Attention → If you forget to turn off the GPS after your flight your flight data will be overwritten.
 - **Fill up mode:** Data is stored as long as there is memory available.
Attention → Don't forget to clear the memory before the flight!

2. Flight-preparation



GPS 12

⊕ 0.8^Km | PAN OPT

TRACK SETUP
RECORD: WARP
METHOD:
TIME INTERVAL
00:00:30
MEM USED 0%
0/1024 PTS
CALC AREA?
CLEAR LOG?

Example setting for Garmin GPS 12:

- **Setting the time interval:**
 - The Garmin GPS 12 can store up to 1024 points.
 - Set a time interval of 30 seconds.
 - In case of a time interval of *00:00:30* the Garmin GPS 12 can record a flight up to 8,5 hours.
- **Setting the record mode:**
 - Set *RECORD* to *WARP*.
 - Old data will be overwritten automatically. It is not necessary to erase the data before flight.
- **For smooth communication between GPS and Vario set *INTERFACE* in *SETUP MENU* to *NMEA/NMEA*.**
- **To download the data to your PC set *INTERFACE* in *SETUP MENU* to *GRMN/GRMN*.**

2. Flight-preparation

Choose a good takeoff, the right starttime and turn on your flight-instruments!



Before take-off plan your track carefully depending on the weather and your physical condition.

3. In-flight decisions

During the flight it is up to you to make the right decisions.

Choose your route to provide the greatest possible distance under the weather conditions.



The pilot who makes the best decisions according to the circumstances will do the best flight!



4. Types of tasks

Triangle

A track is scored as a triangle, if the distance between starting point and landing (or ending point) is less than 20% of the total distance, defined by the turn-points.

The track is scored as the sum of the distances A, B and C reduced by the distance (D) between starting- and ending point (red arrow).

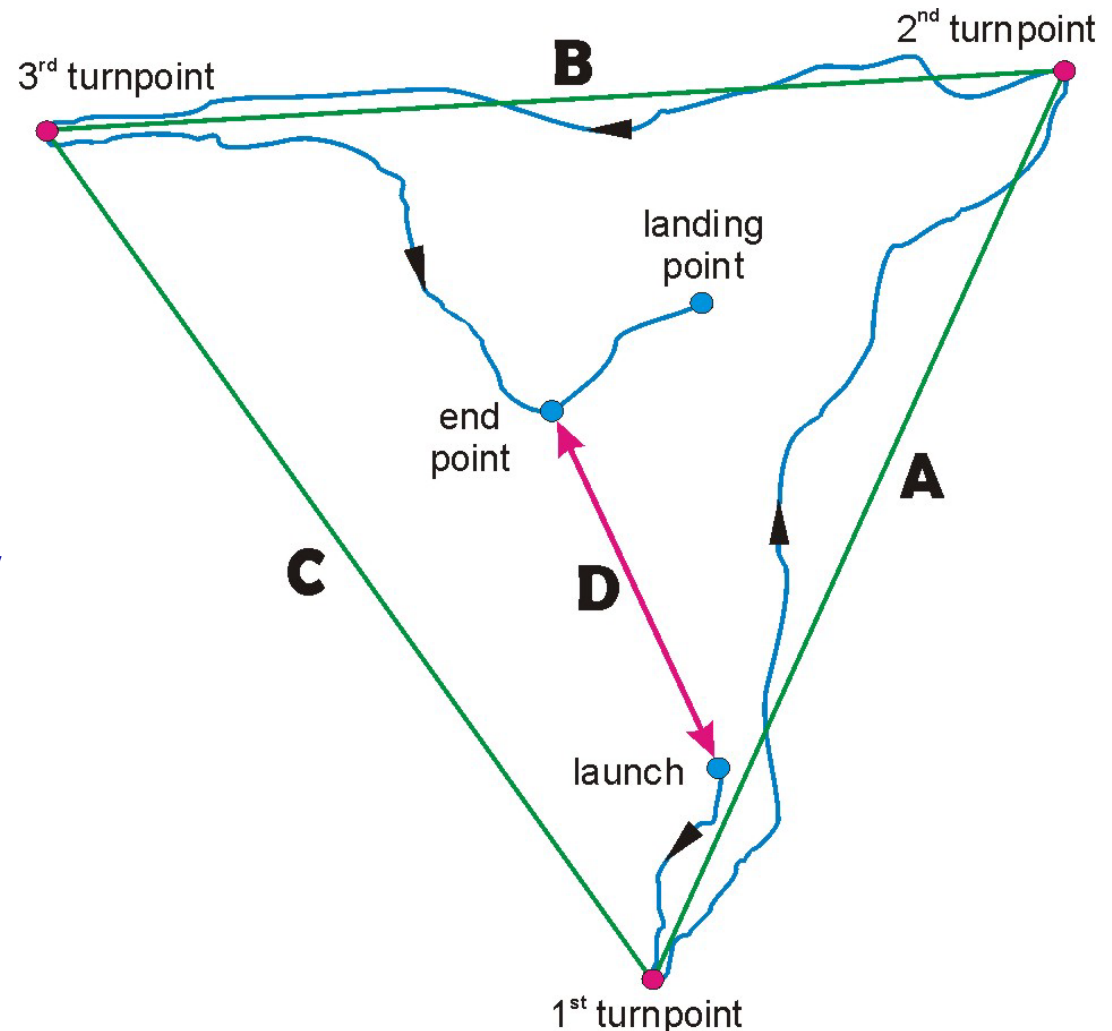
Triangle factors:

- FAI - triangle → 2,00 points
- Flat triangle → 1,75 points

Areal flights score most.

Distance = (A + B + C) - D

$$\% \text{ of } D = \frac{D}{(A + B + C) : 100}$$



4. Types of tasks

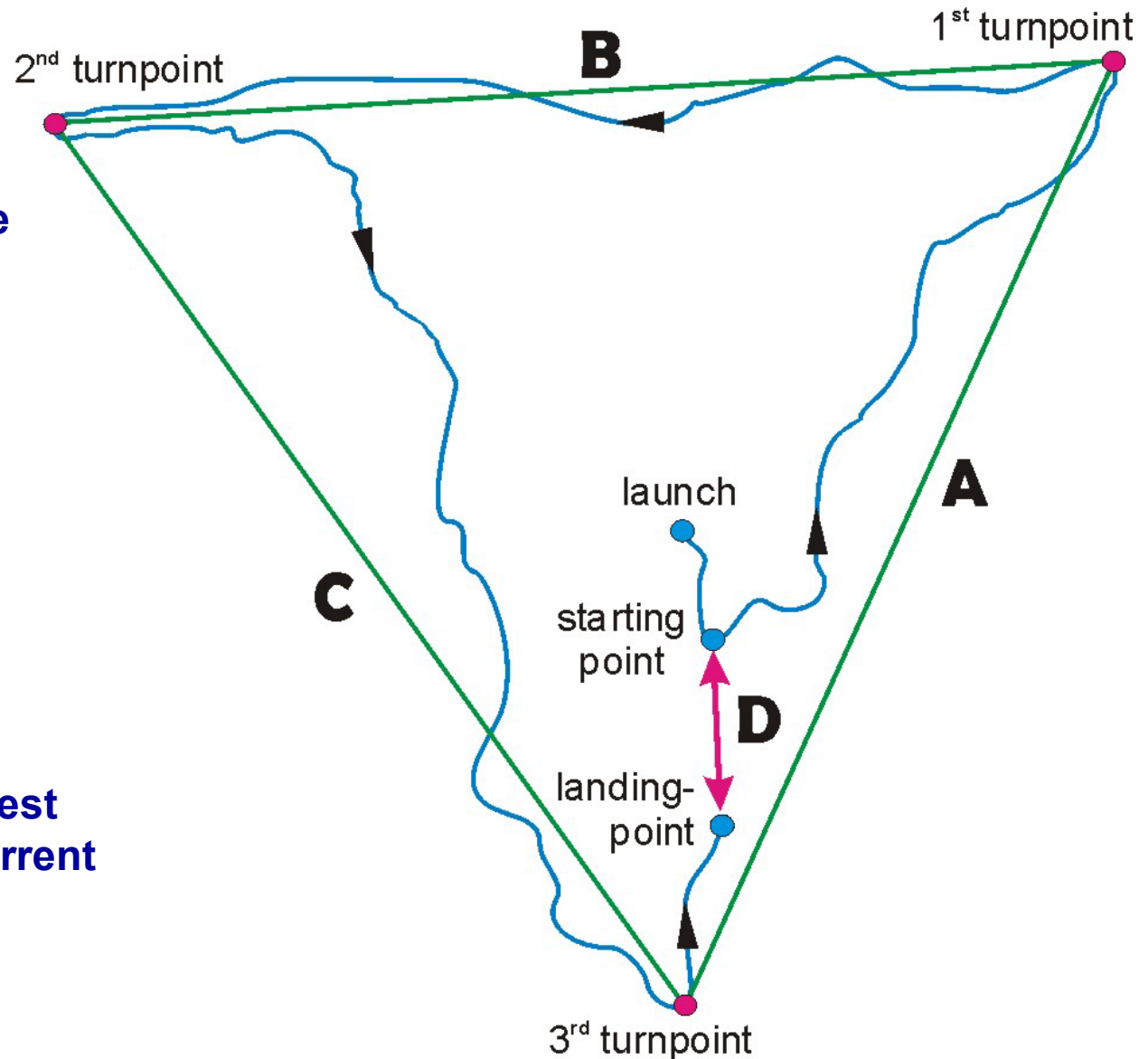
Triangle

If there is any time left after finishing your triangle you are allowed to extend it.

If you cannot reach your startpoint after extending the triangle, the distance will be reduced by the distance between your startpoint and your landingplace.

$$\text{Distance} = (A + B + C) - D$$

Every pilot should fly the largest distance depending on the current weather conditions.



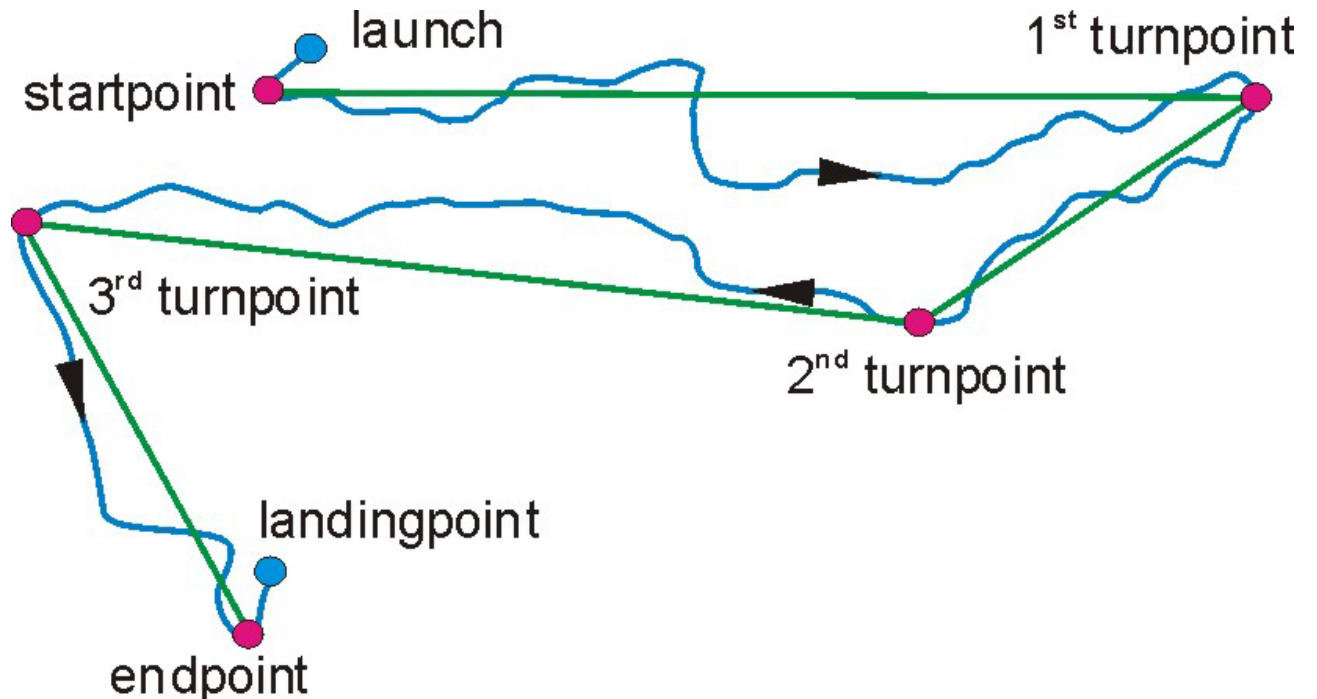
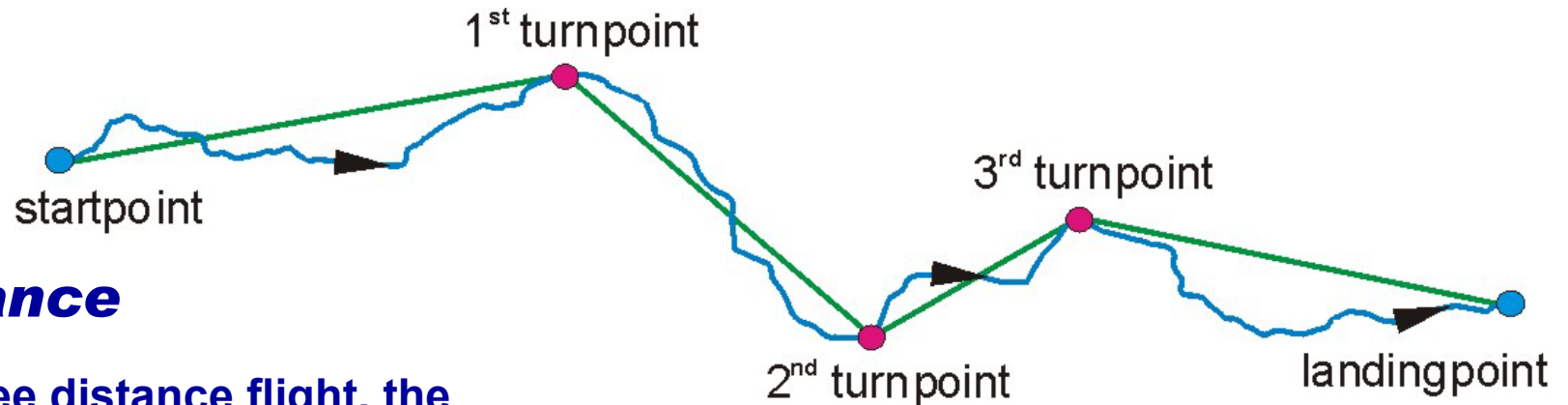
4. Types of tasks

Free distance

In case of a free distance flight, the computer takes 3 automatically chosen trackpoints on your way between startpoint and endpoint.

Factor → 1,5 points

If a triangle is not within the 20% rule, it will be scored as a free distance flight.



5. After the flight

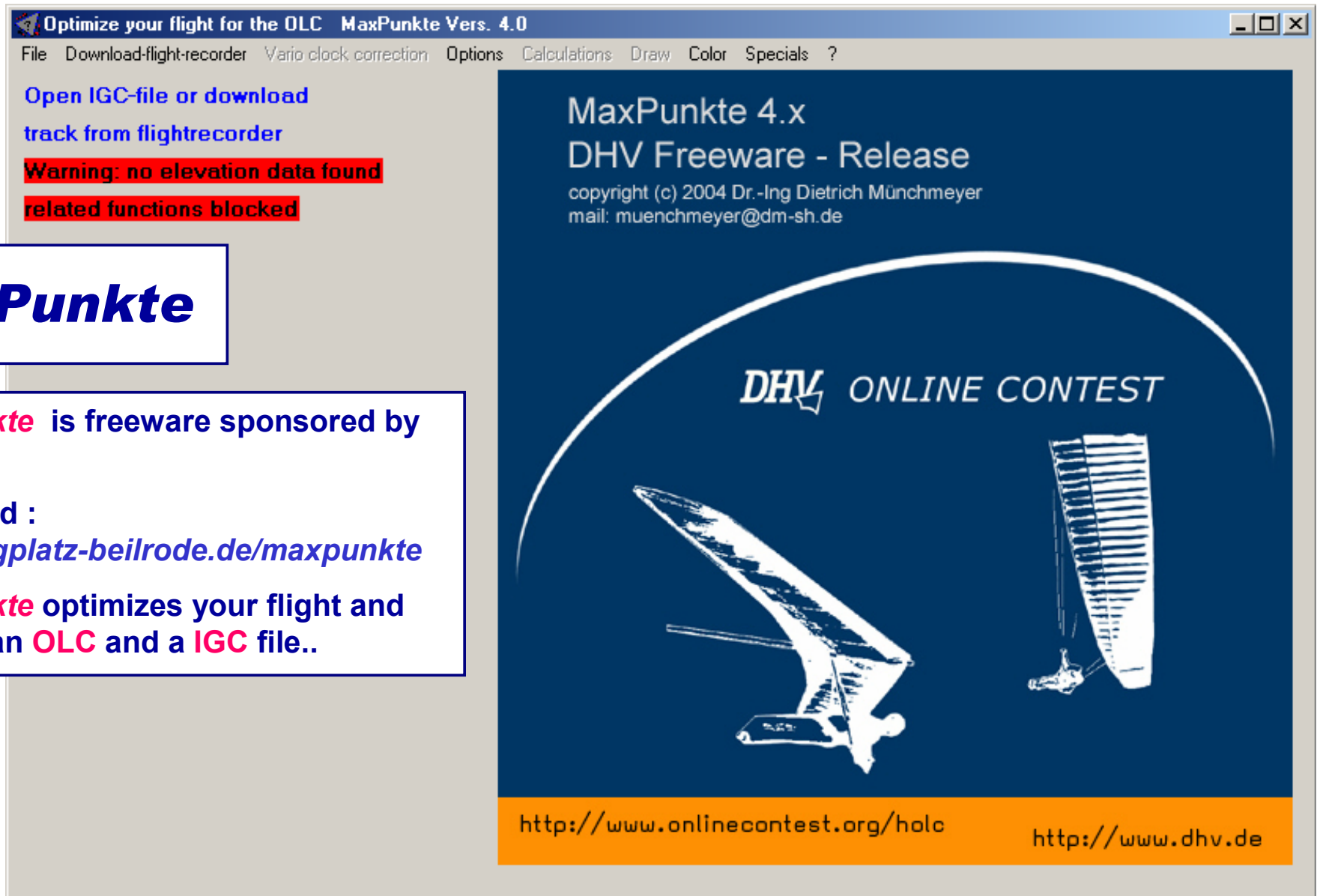
Switch off your GPS immediately. Otherwise the start of your flight might be overwritten.



Download the flight with an interface or optimization software after landing.

After optimizing your flight send your data as an **OLC**- and **IGC**-file via Internet to the „Online Contest Server“.

6. Interface and Optimization- software



MaxPunkte

MaxPunkte is freeware sponsored by the DHV.

Download :
www.flugplatz-beilrode.de/maxpunkte

MaxPunkte optimizes your flight and creates an **OLC** and a **IGC** file..



6. Interface and Optimization- software

1

Optimize your flight for the OLC MaxPunkte Vers. 4.0

File Download-flight-recorder Vario clock correction **Options** Calculations Draw Color Specials ?

Open IGC-file or download track from flightrecorder

Warning: no elevation data related functions blocked

Settings for MaxPunkte Vers. 4.0

☒ **integrate IGC-File in OLC-File** Advantage: You only need to handle an OLC-file, no IGC-file

Settings for the OLC-file:

Pilot	First name	Wolfgang	Attention! Please spell exactly the same as in the contest registration!
	Name	Dertnig	
	Date of birth	10.03.1961	
Take-off location	Country	Badgastein / Stubnerkogel	no ICAO-locator, please
		AT Austria / Österreich	
Glider	Call sign		Manufacturer and type, please
	Type of Aircraft	ICARO / Laminar MR-700	
	Class	Flexible Wing	
Pilot's comment			optional
Language OLC-server	en = English		

Maximum number of trackpoints used for optimization

optimize 2K trkpoints (suggested)

☒ **OK**

MaxPunkte

Complete your personal details under menu **Options > Settings**.

Setting a tick at the **Integrate IGC-File in OLC-File** simplifies the upload procedure.

6. Interface and Optimization- software



MaxPunkte

Optimize your flight for the OLC MaxPunkte Vers. 4.0

File Download-flight-recorder Vario clock correction Options Calculations Draw Color Specials ?

Garmin GPS
MLR and Log_It!
Renschler
Bräuniger Gallileo
Max logger

MaxPunkte 4.x

☐ Show RX
Get serial number

Com 1

Exit

DHV ONLINE CONTEST

<http://www.onlinecontest.org/holo> <http://www.dhv.de>

2 Choose the main menu **Download-flight-recorder** and select your instrument type.

3 In the next window you have to select the connected **COM port**.

4 Click **Get serial number** → the software will check the serial-number of your instrument.



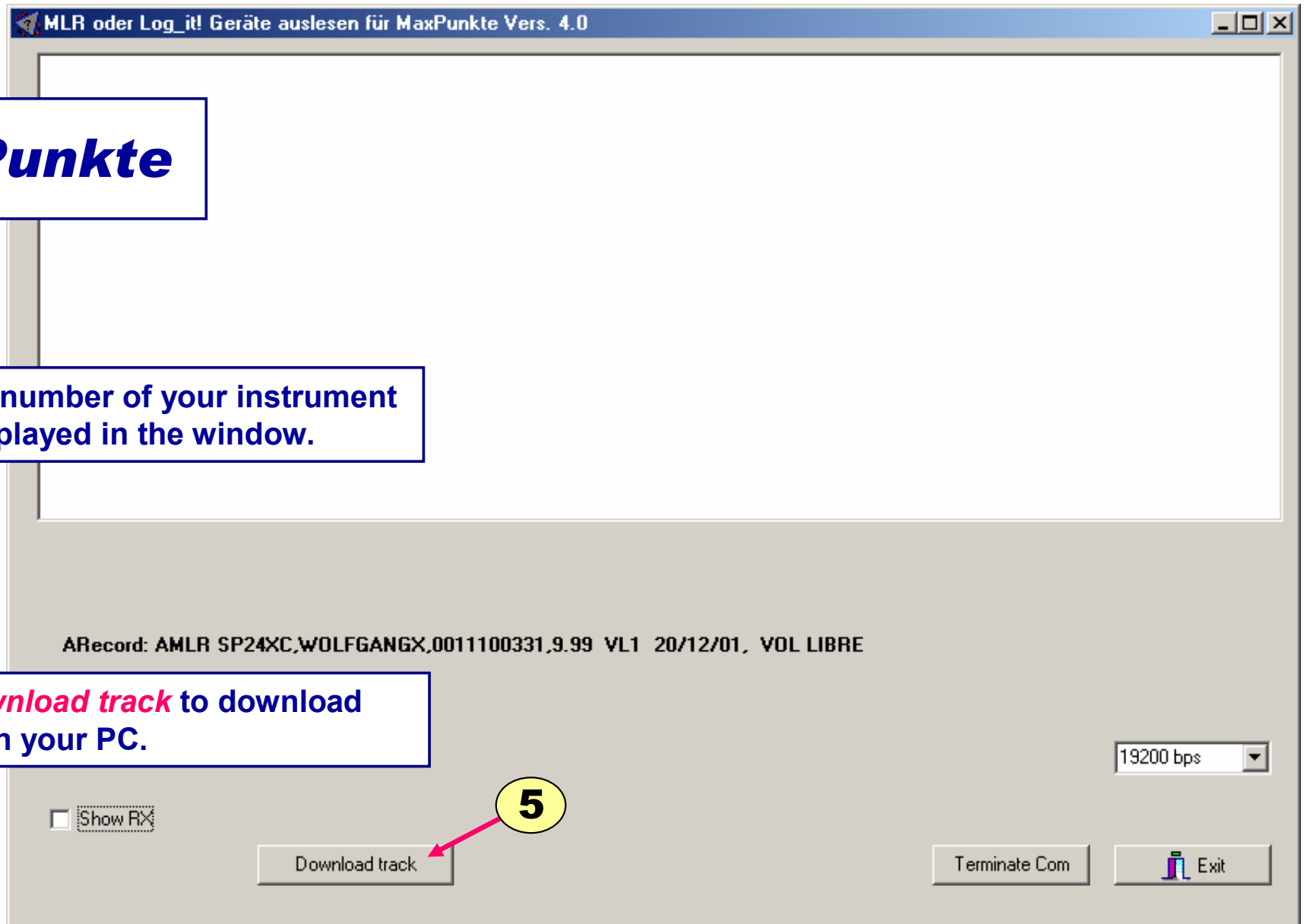
6. Interface and Optimization- software

MaxPunkte

The serial number of your instrument
will be displayed in the window.

5

Press **Download track** to download
the data on your PC.





6. Interface and Optimization- software

MaxPunkte

After the download the
data will be displayed.

MLR oder Log_it! Geräte auslesen für MaxPunkte Vers. 4.0

3160. Point:	19.09.2003	12:18:40	UTC	N 47:12,247	E 13:08,048	2444 m
3239. Point:	19.09.2003	12:31:50	UTC	N 47:11,114	E 13:07,811	2087 m
	19.09.2003	12:45:00	UTC	N 47:12,393	E 13:08,163	2476 m
	19.09.2003	12:58:10	UTC	N 47:14,584	E 13:02,404	2299 m
	19.09.2003	13:11:20	UTC	N 47:16,042	E 13:06,906	1905 m
	19.09.2003	13:24:30	UTC	N 47:13,472	E 13:06,607	992 m
	20.09.2003	10:54:32	UTC	N 47:14,081	E 13:08,875	1999 m
	20.09.2003	11:07:42	UTC	N 47:14,080	E 13:08,755	2381 m
3792. Point:	20.09.2003	11:20:52	UTC	N 47:10,467	E 13:08,760	2827 m
3871. Point:	20.09.2003	11:34:02	UTC	N 47:06,865	E 13:13,723	2841 m
3950. Point:	20.09.2003	11:47:12	UTC	N 47:06,488	E 13:16,163	3036 m
4029. Point:	20.09.2003	12:00:22	UTC	N 47:05,681	E 13:16,589	3014 m
	20.09.2003	12:13:32	UTC	N 47:07,271	E 13:12,951	2746 m
	20.09.2003	12:26:42	UTC	N 47:08,736	E 13:07,392	3044 m
	20.09.2003	12:39:52	UTC	N 47:10,104	E 13:01,987	3190 m
	20.09.2003	12:53:02	UTC	N 47:12,494	E 12:56,761	2847 m
	20.09.2003	13:06:12	UTC	N 47:13,539	E 12:50,454	2848 m
4503. Point:	20.09.2003	13:19:22	UTC	N 47:13,578	E 12:45,843	2849 m
4582. Point:	20.09.2003	13:32:32	UTC	N 47:14,556	E 12:52,643	2474 m
4661. Point:	20.09.2003	13:45:42	UTC	N 47:14,357	E 12:56,213	2682 m
4740. Point:	20.09.2003	13:58:52	UTC	N 47:14,865	E 13:01,444	2737 m

Spacing of trackpoints displayed here: 79

6

Save your data with **Save IGC-file**.

☐ Show RX

Get serial number Download track **Save IGC file** Exit

6. Interface and Optimization- software

MaxPunkte

Geräte auslesen für MaxPunkte Vers. 4.0

including number, time (UTC), position and groundspeed. Check the valid trackpoints.
date/time> will allow trackpoint selection from a beginning to an end time.

After selection of points click <Ready> to save IGC-File

7

Select the correct data with **Select date/
time**. (If you recorded more than one flight)

8

Choose the correct **Date**.

9

By entering your **Time begin** and **Time end**
you can cut off unimportant data. (eg: If
you turned on the GPS before the flight)

10

Select / deselect single
trackpoints.

7

Only trackpoints in the selected data/time window will be saved in the IGC file
(selected day, time between ... and)
All selected trackpoints are checked in the list shown

Date

20.09.2003

Time begin

00:00:00

Time end

23:59:59

Select date/time

Ready

Exit



6. Interface and Optimization- software

MaxPunkte

11

Enter all data.

12

Choose the correct path for saving the file by pressing **Search**.

13

Save data and file by pressing **Save IGC file** → The next window is for the confirmation.

14

End the download by pressing **Exit** → the track will be displayed.

Additional data for the IGC file MaxPunkte Vers. 4.0

Pilot	11	Dertnig Wolfgang
Glider Type		Laminar MR-700
Glider ID (Serial no.)		700
Competition class		Flexible Wing (FAI class 1)
Site (Takeoff)		Bad Gastein / Stubnerkogel
Contest		DHV-OLC-2003
Pilot ID		xcdw <small>Please enter exactly 4 letters representing the pilot's name</small>

Pfad zum Speichern des IGC-Files: 12

D:\Eigene Dateien\Wolfgang\

The button for saving the IGC file will appear, as soon as everything is entered correctly
Click the <Save config> button to save these settings for the next program start

13

IGC file saved (signed) D:\Eigene Dateien\Wolfgang\39Kxcdw3.igc

14



6. Interface and Optimization- software

Optimize your flight for the OLC MaxPunkte Vers. 4.0 PILOT: Dertnig Wolfgang 20.9.2003 File: 39Kxcdw2.igc

File Download-flight-recorder Vario clock correction Options **Calculations** Draw Color Specials ?

1396 Track points in file
mean sampling time: 10.0 sec

MaxPunkte

Mouse: N 47:22.890 E 12:49.539

15

Choose the menu **Calculations** and click the button **Optimize waypoints** → the longest track will be calculated.

mark invalid trackpoints
Distance take-off to landing
Total trip
Optimize waypoints (max 2048 Trackpoints)

Nr. 933 UTC: 13:28:42
N 47:14.780 E 12:50.868
Altitude: 2535 m 8317 ft
Vario: -1.1 m/s
Groundspeed: 53.8 km/h



6. Interface and Optimization- software

Optimize your flight for the OLC MaxPunkte Vers. 4.0 PILOT: Dertnig Wolfgang 20.9.2003 File: 39Kxcdw2.igc

File Download-flight-recorder Vario clock correction Options Calculations Draw Color Specials ?

Open file (Track) 03:52 (64)
 Open file (Flychart, PC-Graph) 04:22 (427)
 Open file (additional tracks, display only) 07:22 (925)
 Reduce number of trackpoints by 2 02:22 (1255)
 Save IGC file to 03:22 (1297)
Save OLC file to
 Printer setup
 Print
 Exit

16

hmax: 3375 m hmin: 823 m

MaxPunkte

FAI triagle size [km]: 87.324
 WP 1: 427
 WP 2: 925
 WP 3: 1255

Scored points: 172.46

Triangle size [km]: 98.042
 WP 1: 404
 WP 2: 843
 WP 3: 1255

Scored points: 169.66

Open distance [km]: 104.815
 WP 1: 404
 WP 2: 843
 WP 3: 1255
 ZielP: 1320

Scored points: 157.22

16

Click **File** and **Save OLC file to** and enter the path where the OLC file should be saved.

Now you can upload your flight to the **OLC-Server**.

Nr. 920 UTC: 13:26:32
 N 47:14.556 E 12:49.313
 Altitude: 2687 m 8816 ft
 Vario: -1.1 m/s
 Groundspeed: 57.9 km/h



7. Competition Entry



Hanggliding / Paragliding Online-Contest World 2004								home
World Online-Contest		Africa	Asia	Australia/Oceania		Europe	North America	South America
Austria	Australia	Bulgaria	Brazil	Canada	Croatia	Denmark	Finland	France
Germany	Greece	Hungary	Iceland	Italy	Japan	Korea	Lithuania	Macedonia
Netherlands	Poland	Portugal	Slovenia	Spain	Sweden	Switzerland	Turkey	USA
Flight Claim	Contest Registration			Competitors		Scoring 2003		OLC-Club
Daily Score Hanggliding	Daily Score Paraglider	Flexible Wing	Rigid Wing	Paraglider (FAI-3, all)		Statistics: Club-Scoring	Statistics: All Flights	Statistics: Best Flight
Club Scoring Hanggliding	Newcomer Hanggliding	Women Hanggliding	Juniors Hanggliding	Club Scoring Paragliding	Newcomer Paragliding	Woman Paragliding	Juniors Paragliding	

www.onlinecontest.org/holc

Click **Competition Entry** (marker)!

Click **add new competitor**.

add new competitor



7. Competition Entry



entry for holc-i

Fill in all data
needed on the
right side!

English

about yourself		OLC-Membership #: (neu - ..)
Salutation *	<input checked="" type="radio"/> Mr. <input type="radio"/> Mrs.	
Title	<input type="text"/>	
First/Given name *	<input type="text" value="Davis"/>	
Surname *	<input type="text" value="Straub"/>	
Date of birth *	<input type="text" value="10.10.65"/> (dd.mm.yy)	
nationality *	<input type="text" value="US (USA)"/>	
Street with number	<input type="text" value="Downing Hill 5"/>	
Zipcode and city	<input type="text" value="5500"/> <input type="text" value="London"/>	
Telephone (home)	<input type="text" value="0500 / 5678-910"/>	
Telephone (business)	<input type="text"/>	
Fax	<input type="text"/>	



7. Competition Entry

Choose your club!

Please be careful before creating a new club. Be absolutely sure your club is not in the list!

You have to fill in the number for the national contest. In Germany, it is the DHV member number, in Austria the FAI number etc. (**HOLC-Verbandsnummer**).

Press **Check Entry** to save the data!

OLC-settings

Password *

Password repetition

E-Mail (scoring)
for queries regarding
scoring *

E-Mail (home)
for invitations *

language

scoring club *

add new club to selection list

Entry for National Contests (only for members of the national aeroclub)

HOLC-Verbandsnummer

public relations

Local newspaper

sponsor

* = mandatory field

Check entry



7. Competition Entry



Hanggliding / Paragliding Online-Contest World 2004							home	
World Online-Contest		Africa	Asia	Australia/Oceania		Europe	North America	South America
Austria	Australia	Bulgaria	Brazil	Canada	Croatia	Denmark	Finland	France
Germany	Greece	Hungary	Iceland	Italy	Japan	Korea	Lithuania	Macedonia
Netherlands	Poland	Portugal	Slovenia	Spain	Sweden	Switzerland	Turkey	USA
Flight Claim		Contest Registration			Competitors		Scoring 2003	
Daily Score Hanggliding	Daily Score Paraglider	Flexible Wing	Rigid Wing	Paraglider (FAI-3, all)		Statistics: Club- Scoring	Statistics: All Flights	Statistics: Best Flight
Club Scoring Hanggliding	Newcomer Hanggliding	Women Hanggliding	Juniors Hanggliding	Club Scoring Paragliding		Newcomer Paragliding	Woman Paragliding	Juniors Paragliding

This is the confirmation!
The complete list of all competitors can be viewed by pressing the link **Competitors**.

entry for holc-i

First/Given name :
Surname:

Davis
Straubs

Thank you for your entry in the holc-i.
You are now listed in the list of competitors.
Flights may be claimed immediately.



8. Flight claim

flight claim for *HGPG* Online-CONTEST International 2004

Load : 0.040000

English

First/Given name

Surname

Date of birth

 (dd.mm.yy)

Check entry

Flight Claim Button only available when data correct.

[OLC-File :](#)

D:\Eigene Dateien\Wol

Durchsuchen...

Load OLC-File to form

1

2

Don't enter your name or birthday and don't press *Check Entry* !

Press *Durchsuchen* and enter the name of the *OLC-file*.

Press *Load OLC-file to form* → the complete form with the data from your file will appear.

Each flight has to be entered until the *following Tuesday 12 o'clock PM !!!*



8. Flight claim

If you have entered all the data press **Check entry** → possible mistakes will be displayed red coloured!

Everything is correct - press **Send IGC File!**

First/Given name	<input type="text" value="Wolfgang"/>		
Surname	<input type="text" value="Dertnig"/>		
Country Club	<input type="text" value="(Sbg) Dorfgasteiner Thermikgeier (AT)"/>		
Take-off location	<input type="text" value="Embergeralm"/>	no ICAO-identifiers please!	3
Callsign	<input type="text" value="olc"/>		
Region	<input type="text" value="Austria"/>		
IGC-filename	<input type="text" value="36mxcdw1.IGC"/>		
Date of flight	<input type="text" value="22 June 2003 36M"/>		
Model of glider	<input type="text" value="ICARO / Laminar MPX-700"/>	enter [manufacturer glidertype]	
Class	<input type="text" value="Flexible Wing"/>		
Take-off time	<input type="text" value=""/>		
Departure time	<input type="text" value="09:00:32"/>		
Departure	<input type="text" value="N 46"/>	<input type="text" value="46"/>	<input type="text" value="023 E 013 09 794"/>
1.waypoint	<input type="text" value="N 46"/>	<input type="text" value="49"/>	<input type="text" value="424 E 013 06 793"/>
2.waypoint	<input type="text" value="N 46"/>	<input type="text" value="42"/>	<input type="text" value="583 E 013 13 501"/>
3.waypoint	<input type="text" value="N 46"/>	<input type="text" value="43"/>	<input type="text" value="892 E 013 16 328"/>
Finish	<input type="text" value="N 46"/>	<input type="text" value="44"/>	<input type="text" value="884 E 013 11 217"/>
Finish time	<input type="text" value="11:30:22"/>		
Flight distance	33.72 km		
Points for the flight	0.00		

Scoring only possible, if IGC-file is uploaded.

4

Check entry

5

Upload your IGC-file



8. Flight claim

The claim of your flight will be finished, after you have downloaded your IGC-file to the OLC-server below.

This will enable us and others to check your flight claim and to view your flight for analyses.

All the flights that have a link from the flight distance in the daily scoring have the IGC-file available for download from the OLC server.
36mxcdw1

IGC-File :

For questions cite the following reference number 40a1b32281.

6

7

Enter path and filename of the **IGC-file** or press „**Durchsuchen...**“.

The button **send IGC-file** will send the files to the server → the next window appears!

Note: If the option integrate igc-file in olc-file was selected in MaxPunkte 4.0 then steps 6 & 7 are no longer required!



8. Flight claim

The server checks the entered data and displays the waypoints green if everything is correct and red if a mistake was found.

Everything has to be green coloured!

Press **In Wertung aufnehmen**

→ the data will be stored in the database and the ranking will be produced!

First/Given name	<input type="text" value="Wolfgang"/>	
Surname	<input type="text" value="Dertnig"/>	
Country Club	(Sbg) Dorfgasteiner Thermikgeier (AT)	
Take-off location	<input type="text" value="Fulseck"/>	no ICAO-identifiers please!
Callsign	<input type="text" value="MR-700"/>	
Region	<input type="text" value="Austria"/>	
IGC-filename	<input type="text" value="39fxcdw1"/> IGC (already at the server,0) Date in the IGC file 15.09.2003 (1074 B-records)	
Date of flight	<input type="text" value="15 September 2003 39F"/>	
Model of glider	<input type="text" value="ICARO / Laminar MR-700"/>	enter [manufacturer glidertype]
Class	<input type="text" value="Flexible Wing"/>	
Take-off time	<input type="text" value=""/> (hh:mm:ss) (UTC)	
Departure time	<input type="text" value="11:29:22"/> (hh:mm:ss) (UTC) 0 m N47:14.063 E013:08.877	
Departure	<input type="text" value="N"/> <input type="text" value="47"/> <input type="text" value="14"/> <input type="text" value="083"/> <input type="text" value="E"/> <input type="text" value="013"/> <input type="text" value="08"/> <input type="text" value="204"/> (11:42:32 UTC) 3.59 km	
1.waypoint	<input type="text" value="N"/> <input type="text" value="47"/> <input type="text" value="16"/> <input type="text" value="011"/> <input type="text" value="E"/> <input type="text" value="013"/> <input type="text" value="08"/> <input type="text" value="471"/> (12:27:52 UTC) 8.75 km (8.75 km)	
2.waypoint	<input type="text" value="N"/> <input type="text" value="47"/> <input type="text" value="13"/> <input type="text" value="179"/> <input type="text" value="E"/> <input type="text" value="013"/> <input type="text" value="02"/> <input type="text" value="903"/> (13:07:52 UTC) 15.11 km (15.11 km)	
3.waypoint	<input type="text" value="N"/> <input type="text" value="47"/> <input type="text" value="05"/> <input type="text" value="079"/> <input type="text" value="E"/> <input type="text" value="013"/> <input type="text" value="01"/> <input type="text" value="535"/> (13:48:52 UTC) 18.84 km (22.06 km)	
Finish	<input type="text" value="N"/> <input type="text" value="47"/> <input type="text" value="14"/> <input type="text" value="441"/> <input type="text" value="E"/> <input type="text" value="013"/> <input type="text" value="07"/> <input type="text" value="365"/> (14:21:52 UTC)	
Finish time	<input type="text" value="14:33:22"/> (hh:mm:ss) (UTC) 0 m N47:13.527 E013:06.547	
Flight distance	46.29 km	
Points for the flight	0.00	
<div style="display: flex; justify-content: space-around;"> <input type="button" value="Eingabe Überprüfen"/> <input type="button" value="In Wertung aufnehmen"/> </div>		

8



8. Flight claim

Hanggliding / Paragliding Online-Contest World 2004										home				
World Online-Contest		Africa	Asia	Australia/Oceania		Europe	North America		South America					
Austria	Australia		Bulgaria		Brazil	Canada		Croatia	Denmark		Finland	France		
Germany		Greece	Hungary		Iceland	Italy	Japan	Korea	Lithuania		Macedonia			
Netherlands		Poland	Portugal		Slovenia		Spain	Sweden		Switzerland		Turkey	USA	
Flight Claim		Contest Registration				Competitors		Scoring 2003			OLC-Club			
Daily Score Hanggliding		Daily Score Paraglider		Flexible Wing	Rigid Wing	Paraglider (FAI-3, all)		Statistics: Club-Scoring		Statistics: All Flights		Statistics: Best Flight		
Club Scoring Hanggliding		Newcomer Hanggliding		Women Hanggliding		Juniors Hanggliding		Club Scoring Paragliding		Newcomer Paragliding		Woman Paragliding		Juniors Paragliding
<input type="checkbox"/>								2003-12-12 ▾		English ▾		change		

Daily Score Paraglider (FAI-3, all) 12.12

#	pt	Pilot		km	km/h	Take-off location	Club	Model of glider	Begin-End	
1	8.21	Huwiler Ursina	CH	5.47	23.03	Monte Nudo (IT)	Gleitschirm-Club Matthorn	Nova Artax	1158-1213	info 😊

* IGC-File not found for this flight.
scored daily distance : 5.47 km

After 2 minutes the flight will be displayed as well in the international as the national ranking.

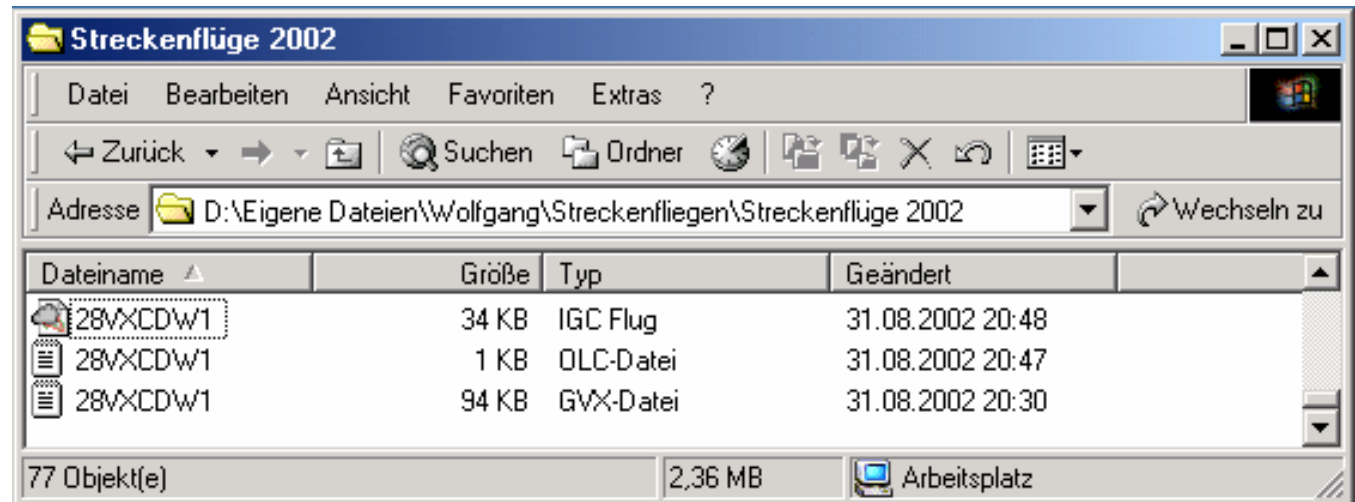


9. Others

Informationen about **OLC-** and **IGC-file!**

The **OLC-file** contains the pilot data and the optimized flight data.

The **IGC-file** contains the track data and the G-record.



The filenames of the **OLC-** und **IGC-files** contain important data:

28VXCDW1.OLC

2 = abbreviation for year 2002

8 = month august (October = **A**, November = **B**, December = **C**)

V = day of month (123456789ABCDEFGHIJKLMNO.....)

XCDW = 4 Numbers or Letters to describe the pilot (choose them yourself)

1 = the first flight of this pilot on this day

.OLC = File-extension

Don't change the name of the file!

OLC and IGC file must have the same name!



***The OLC-Team wishes you a
successful year 2004 without
any accidents***

