

Highs and Lows in the German Northern Hills



Schwerewelle, Göttingen, 2023

Tudor Văcărețu

About Me

- Started gliding in Romania with the Romanian Airclub in 2009.
- First longer ridge experiences in 2015 at my home airfield (Dezmir, Cluj, Romania) in my Ka8-B.

Flight information - Tudor Vacaretu (RO) - 19.04.2015

Type of glider: [Ka 8](#), Takeoff location: Cluj Napoca Some (RO)

OLC-Plus [Speed/League](#) [Destination](#)

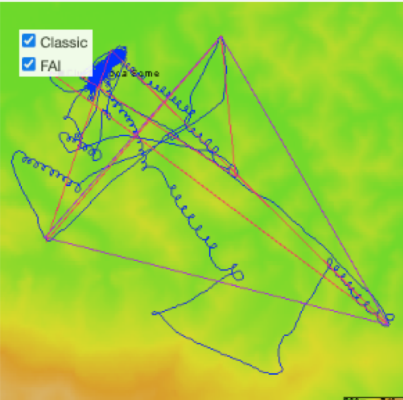
Flight details

	Classic	FAI
Points for the flight	70.08	59.49 / 10.59
scoring distance	45.20 km	26.82 km
Speed	8.00 km/h	4.74 km/h
Duration	05:39:12	05:39:15
Scoring class	club	
Scoring start	09:55:12	
Scoring end	15:34:27	
Index:	76.0	
Club	Romanian Airclub	
Date of claim	19.04.2015 16:59:57	
state	IGC-File: v Flight s	

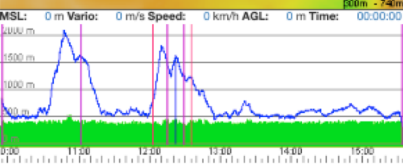
Map

Interactive **Classic**

Classic
 FAI



MSL: 0 m Vario: 0 m/s Speed: 0 km/h AGL: 0 m Time: 00:00:00



Story

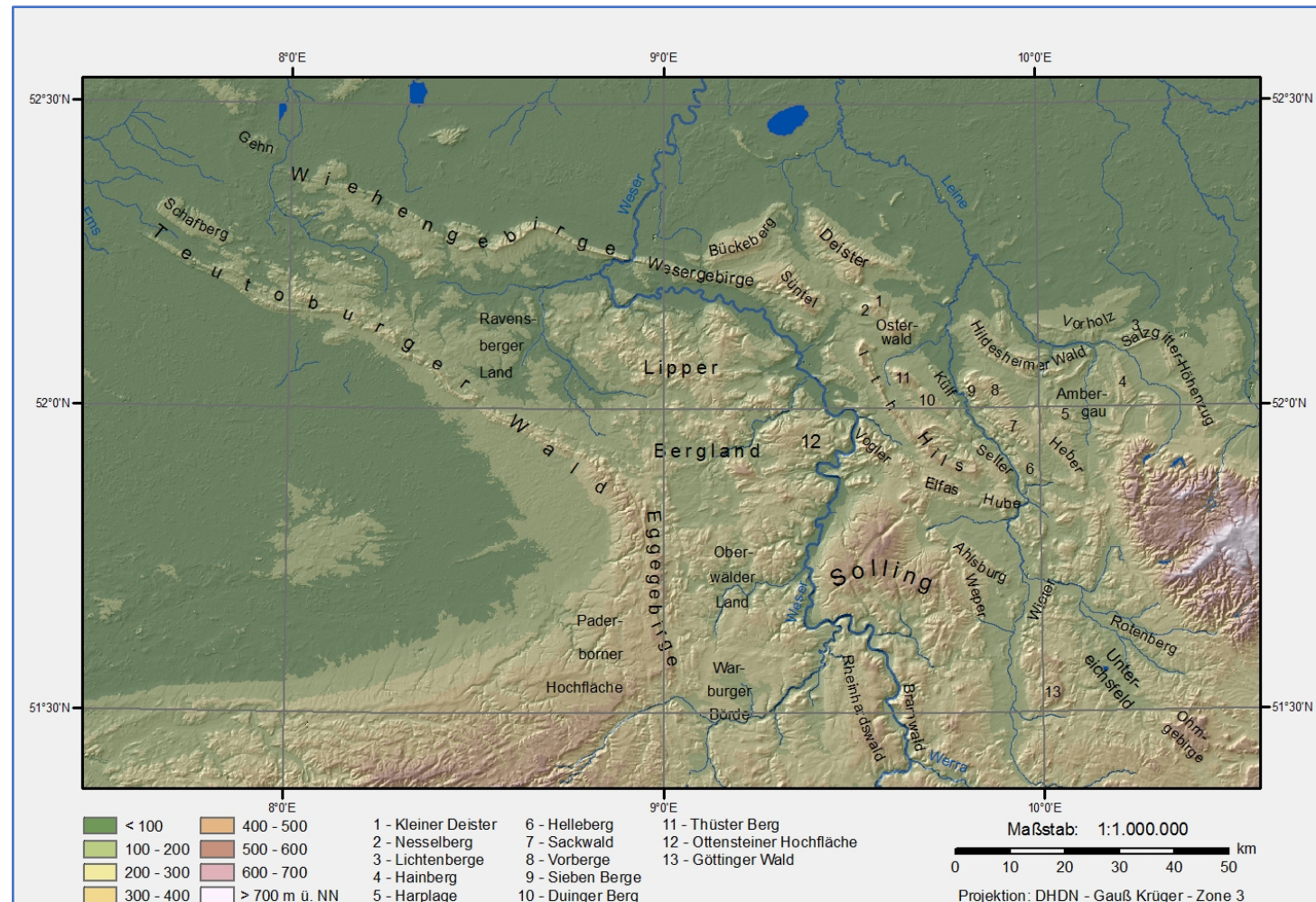
09:55 [Scoring start](#) in Cluj Napoca Some [edit story](#)



About Me



Geography of the German Northern Hills



Historic perspective and relevance today

Segelflug Historie

Seit es beim Fliegen um höher, schneller und weiter. Bereits Otto Lilienthal ließ seine Fliegerberge immer höher aufschütten, um mit seinen Segelapparaten größere Strecken zurückzuliegen. So verwundert es kaum, dass auch die jungen Piloten der 20er und 30er Jahre nach Rekorden trachteten. Robert Kronfeld ist damals einer von ihnen. Immer wieder werden Versuche unternommen, die magische Zahl zu erreichen. Dabei geht auch das ein- oder andere Segelflugzeug zu Bruch. Das Wissen über den thermischen Segelflug ist damals noch dürftig, und so konzentriert man sich auf den Hangflug.

Robert Kronfeld arbeitet seinerzeit für die Rhön-Rosenthal-Gesellschaft (RRG) als Fluglehrer auf der Wasserkuppe. Seine C-Prüfung hat er 1927 auf der Kurlischen Nehrung absolviert und diese mit einem Flug von mehr als einer Stunde Dauer geleitet. Kronfeld hat Talent. Schon ein Jahr später gelingt ihm ein Flug über mehr als acht Stunden, im Winter 1928/29 unternimmt er zudem als Erster einen Flug im Hochgebirge in der Rax-Schneeberg-Gruppe bei Wien.

Doch Kronfeld ist mehr als nur ein guter Pilot. Er studiert an einer Technischen Hochschule und eignet sich kundiertes Wissen an, das er zur wissenschaftlichen Auswertung seiner Flüge nutzt. Zudem befasst er sich mit Aspekten der technischen Weiterentwicklung und Sicherheit in der Fliegerei. Die Einführung des Fallschirms im Segelflug und die Entwicklung des „Vertikalohnmessers“ – heute gemeinhin bekannt als Variometer – gehen auf ihn zurück. Wolf Hirth schrieb dazu einst anerkennend: „Ein gutes Variometer ist besser als vier Meter mehr Spannweite. Kann man beides haben, noch besser.“ Gemeinsam mit Günther Groenhoff prägen die beiden den Leistungssegelflug mit außergewöhnlichen Flügen. Und so erwartet Kronfeld, wie er damals selbst schreibt, dass ihm jemand für den ersten 100-Kilometer-Flug „den Bart abnimmt“.

Nach der Winterpause erhält Kronfeld im Frühjahr 1928 sein neues Leistungsflugzeug, die Wien, eine regelrecht hochgezüchtete Variante des Musters RRG Professor. Den aerodynamischen Entwurf dafür liefert Alexander Martin Lippisch, konstruiert wird sie von Emil Potokovics und Hans Jacobs. Der Bau erfolgt schließlich bei Kegel-Flugzeugbau in Kassel. Mit 19,5 Metern Spannweite ist der abgestrebte Hochdecker eine Orchidee der damaligen Zeit. Die Flächenbelastung ist extrem gering, und so kann die Wien das kleinste Steigen ausfliegen.

Die Thermik ist seinerzeit gerade entdeckt, allerdings kaum praktisch erforscht. Dass es einen Aufwind unter Cumuli gibt, hat Johannes Neiring auf Anregung des Meteorologen Prof. Walter Georgi mit einem Motorflugzeug schon bewiesen. Kronfeld hat dies mit einem Segelflugzeug wiederholt und Johannes Neiring ebenfalls motorlos nachgelegt – mit einem Flug über 70 Streckenkilometer über Odenwald und Bergstraße. Den Anschluss zum Schwarzwald schaffte er aber nicht.

Für Kronfeld Grund genug, es jetzt richtig anzugehen. Er studiert eine Deutschlandkarte, um den besten Ausgangspunkt für sein Vorhaben zu finden. Die Rhön oder die Bergstraße würden wohl die meisten versuchen, und Kronfeld findet es auch irgendwie unsportlich, dort anzusetzen, wo schon andere Piloten ihre Flüge gestartet haben. Aus seiner Sicht ist der Teutoburger Wald zwar eher dritte Wahl, doch die Segelflugvereinigung Bielefeld bietet ihm ihre Hilfe an. So fällt die Entscheidung, es hier zu probieren. Sein erster Versuch in diesem Jahr scheitert jedoch, und Kronfeld muss sich erneut einen Urlaub von der Wasserkuppe genehmigen lassen.

Am 15. Mai sind die Bedingungen wieder günstig. Als Kronfeld am Startplatz nahe




Der Flugweg Robert Kronfelds entlang des Teutoburger Waldes.

80 aerokurier 5/2019

Text Alexander Willberg

81



1250KM
BRETAGNE > LOWER SAXON HILLS

009. 1250KM FROM BRETAGNE TO THE LOWER SAXON HILLS.

ABOUT GLIDING
aboutgliding.com

Tijl Schmelzer – aboutgliding.com

. An interesting idea*...

Relevance today

Flight information - Tijl Schmelzer (BE) - 29.06.2020

Type of glider: **Ventus 3 T**, Takeoff location: Rennes Saint-Sulpice (FR)

OLC-Plus **Speed/League**

Flight details

	Classic	FAI
Points for the flight	1067.55	1,062.43
scoring distance	1,264.29 km	20.33 km
Speed	112.79 km/h	7.35 km/h
Duration	11:12:35	02:46:03
Scoring class	18m	
Scoring start	08:15:10	
Scoring end	19:27:54	
Index:	119.0	
Club	AC Balen-Keiheuvel LSV Viersen	
Date of claim	29.06.2020 20:29:52	
state	IGC-File:	

Map Interactive Classic

MSL: 0 m Vario: 0 m/s Speed: 0 km/h AGL: 0 m Time: 00:00:00

Flight path

MeetingPoints

Name of Aircraft	Name of Pilot	Duration of Meeting

Flight information - Reinhard Schramme (DE) - 27.05.2009

Type of glider: **Ventus 2cT/18m**, Takeoff location: Bückeberg Weinberg (DE / NI)

OLC-Classical **OLC-FAI** **Speed/League** **DMS**

Flight details

Points for the flight	849.49
scoring distance	1025.04 km
Speed	86.02 km/h
Duration	11:55:01
Scoring class	18m
Scoring start	07:05:10
Scoring end	19:01:03
Index:	120.0
Club	LSV Bückeberg-Weinberg
Date of claim	27.05.2009 20:39:45
state	IGC-File:

Map Interactive Classic

MSL: 1369 m Vario: -0.9 m/s Speed: 143 km/h AGL: 1080 m Time: 09:08:18

Flight path

MeetingPoints

TopMeteo - Weather Charts

Flight information - Tim Sirok (DE) - 13.06.2019

Type of glider: **ASH 26E**, Takeoff location: Oeventrop Ruhrwiesen (DE / NW)

OLC-Plus **Speed/League** **DMS** **Destination**

Flight details

	Classic	FAI
Points for the flight	959.05	873.67
scoring distance	1,022.19 km	332.97 km
Speed	98.88 km/h	36.51 km/h
Duration	10:20:16	09:07:12
Scoring class	18m	
Scoring start	06:57:07	
Scoring end	17:31:21	
Index:	117.0	
Club	LSC Oeventrop	
Date of claim	13.06.2019 20:46:16	
state	IGC-File:	

Map Interactive Classic

MSL: 0 m Vario: 0 m/s Speed: 0 km/h AGL: 0 m Time: 00:00:00

Flight path

Classical	Lon	Lat	Alt	Time [UTC]
Start	008°20.284E	51°37.922N	2055m	06:57:07
WP1	008°29.121E	52°15.773N	497m	07:34:43

Why Fly in the Northern German Hills?

All season flying with operations possible regardless of the season

Weather conditions permitting long distance flights regardless of season

Landscapes for all seasons



Why Fly in the Northern German Hills?

All possible sources of lift available

- Ridge
- Thermals
- Wave
- Convergence



Why Fly in the Northern German Hills?



Notable Flights: Ridge

Flight information - Torsten Linstädt (DE) - 02.11.2012

Type of glider: [Discus-2c 18m](#), Takeoff location: Rinteln (DE / NI)

OLC-Plus [Speed/League](#) [Destination](#)

Flight details

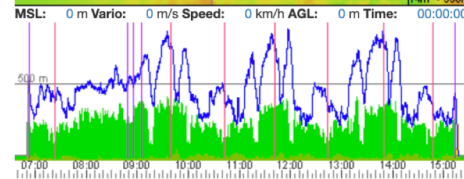
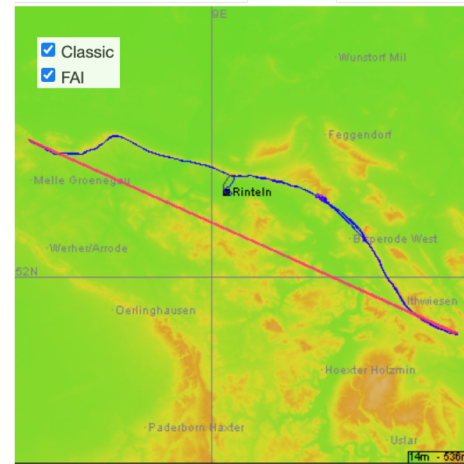
	Classic	FAI
Points for the flight	578.24	1.25
scoring distance	657.77 km	4.75 km
Speed	88.87 km/h	0.57 km/h
Duration	07:24:04	08:20:56
Scoring class	18m	
Scoring start	06:53:22	
Scoring end	15:17:46	
Index:	114.0	
Club	Fliegergruppe Wolf Hirth	
Date of claim	02.11.2012 16:47:10	
state	IGC-File: V Flight: S	

Flight path

MeetingPoints

[Name of Aircraft](#)
[Name of Pilot](#)
[Duration of Meeting](#)

Map Interactive Classic



Flight information - Moritz Halstrick (DE) - 05.12.2015

Type of glider: [LS 4](#), Takeoff location: Oerlinghausen (DE / NW)

OLC-Plus [Speed/League](#) [Destination](#)

Flight details

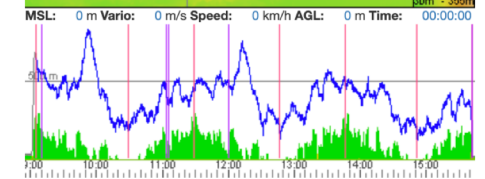
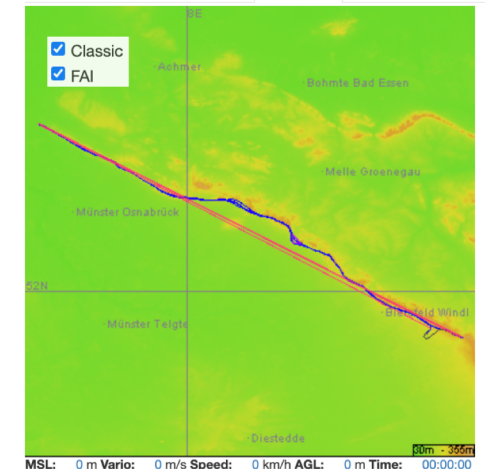
	Classic	FAI
Points for the flight	512.39	1.77
scoring distance	531.06 km	6.13 km
Speed	80.48 km/h	0.94 km/h
Duration	06:35:54	06:30:47
Scoring class	standard	
Scoring start	09:05:46	
Scoring end	15:42:45	
Index:	104.0	
Club	FG Oerlinghausen	
Date of claim	05.12.2015 18:54:18	
state	IGC-File: V Flight: S	

Flight path

Classic

	Lon	Lat	Alt	Time [UTC]
Start	008°45.636E	51°55.456N	455m	09:05:51
WP1	007°35.332E	52°16.914N	165m	10:29:28

Map Interactive Classic



Notable Flights: Ridge and Wave, Porta-Witzenhausen

Flight information - Daan Spruyt (BE) - 05.12.2015

Copilot: Yves Ruymen (BE), Type of glider: **Nimbus 4DM**, Takeoff location: Porta Westfalica (DE / NW)

OLC-Plus **Speed/League** Destination

Flight details

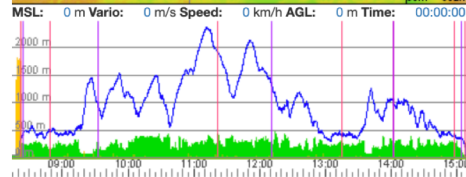
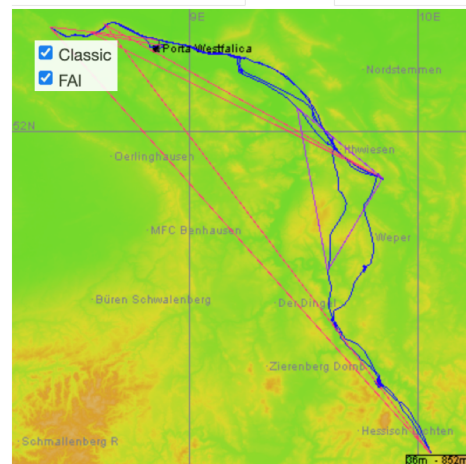
	Classic	FAI
Points for the flight	499.6	471.45
scoring distance	579.89 km	115.40 km
Speed	85.78 km/h	17.31 km/h
Duration	06:45:36	06:40:06
Scoring class	open	
Scoring start	08:22:54	
Scoring end	15:10:18	
Index:	123.0	
Club	FSC Hannover	
Date of claim	05.12.2015 18:06:06	
state	IGC-File: Flight:	

Flight path

MeetingPoints

Name of Aircraft	Name of Pilot	Duration of Meeting

Map **Interactive** Classic



Flight information - Torsten Linstädt (DE) - 26.10.2019

Copilot: Thomas Meder (DE), Type of glider: **Arcus T**, Takeoff location: Witzenhausen Bur (DE / HE)

OLC-Plus **Speed/League** Destination

Flight details

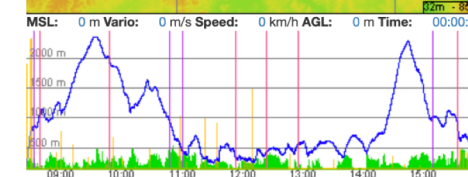
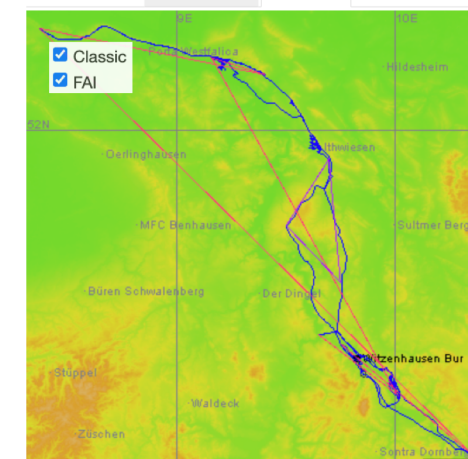
	Classic	FAI
Points for the flight	451.73	428.37
scoring distance	488.32 km	88.79 km
Speed	67.07 km/h	11.85 km/h
Duration	07:16:52	07:29:45
Scoring class	double	
Scoring start	08:30:29	
Scoring end	16:02:26	
Index:	114.0	
Club	Fliegergruppe Wolf Hirth	
Date of claim	26.10.2019 16:51:59	
state	IGC-File: Flight:	

Flight path

Classic

	Lon	Lat	Alt	Time [UTC]
Start	009°44.871E	51°23.789N	973m	08:38:02
WP1	010°21.311E	51°04.711N	1933m	09:47:50

Map **Interactive** Classic



Notable Flights: Ridge and Wave Porta - Harz

i Flight information - [Daan Spruyt \(BE\)](#) - 20.12.2015

Copilot: [Yves Ruymen \(BE\)](#), Type of glider: [Nimbus 4DM](#), Takeoff location: [Porta Westfalica \(DE / NW\)](#)

[OLC-Plus](#)
[Speed/League](#)
[Destination](#)

Flight details

	Classic	FAI
Points for the flight	360.41	351.55 / 8.86
scoring distance	432.41 km	36.33 km
Speed	73.19 km/h	12.55 km/h
Duration	05:54:30	02:53:42
Scoring class	open	
Scoring start	08:11:45	
Scoring end	14:06:33	
Index:	123.0	
Club	FSC Hannover	
Date of claim	20.12.2015 20:52:55	
state	IGC-File: V Flight: S	

Map

Classic
 FAI

Flight path

MSL: 0 m Vario: 0 m/s Speed: 0 km/h AGL: 0 m Time: 00:00:00

MeetingPoints

Name of Aircraft	Name of Pilot	Duration of Meeting

Notable Flights: One-Way-Ticket

Flight information - Daan Spruyt (BE) - 15.01.2020

Type of glider: **ASW 27**, Takeoff location: Porta Westfalica (DE / NW)

OLC-Plus **Speed/League** Destination

Flight details

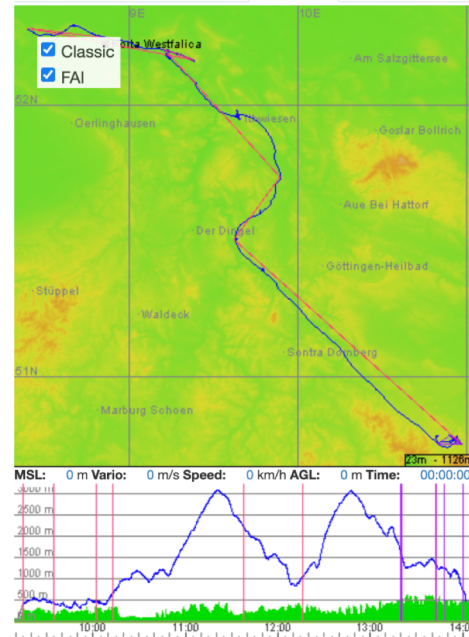
	Classic	FAI
Points for the flight	306.72	301.07 / 5.65
scoring distance	343.23 km	21.45 km
Speed	76.77 km/h	31.29 km/h
Duration	04:28:16	00:41:08
Scoring class	15m	
Scoring start	09:15:12	
Scoring end	14:03:00	
Index:	114.0	
Club	FSC Hannover	
Date of claim	15.01.2020 17:02:34	
state	IGC-File: Flight:	

Flight path

Classic

	Lon	Lat	Alt	Time [UTC]
Start	008°54.068E	52°14.551N	398m	09:15:12
WP1	008°23.609E	52°16.912N	451m	09:35:00

Map **Interactive** Classic



Flight information - Lukas Brune (DE) - 26.10.2019

Type of glider: **Std. Cirrus**, Takeoff location: Oerlinghausen (DE / NW)

OLC-Plus **Speed/League** Destination

Flight details

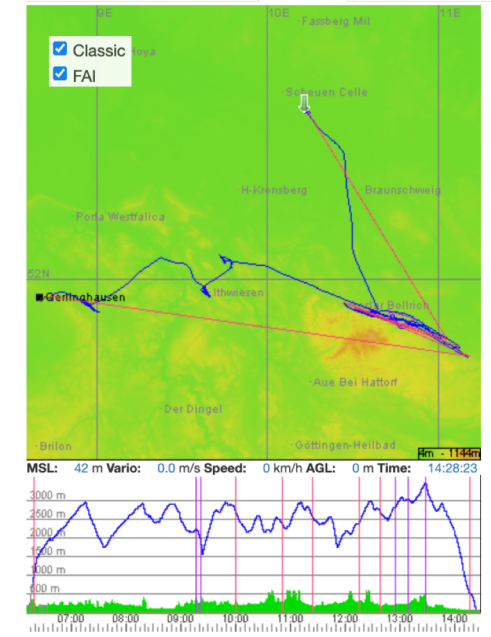
	Classic	FAI
Points for the flight	478.78	470.85 / 7.93
scoring distance	466.14 km	26.16 km
Speed	58.61 km/h	6.24 km/h
Duration	07:57:13	04:11:30
Scoring class	club	
Scoring start	06:18:01	
Scoring end	14:23:48	
Index:	99.0	
Club	FG Oerlinghausen	
Date of claim	26.10.2019 18:05:59	
state	IGC-File: Flight:	

Flight path

MeetingPoints

Name of Aircraft Duration of Meeting

Map **Interactive** Classic



Classic Flights at Porta-Westfalica

Flight information - Tudor Vacaretu (RO) - 27.10.2021

Type of glider: Std. Cirrus WL, Takeoff location: Porta Westfalica (DE / NW)

OLC-Plus Speed/League Destination

Flight details

	Classic	FAI	Distance
Points for the flight	354.66	338.87	3.48
scoring distance	338.87 km	11.61 km	41.03 km
Speed	95.63 km/h	2.82 km/h	51.92 km/h
Duration	03:32:37	04:07:19	00:47:25
Scoring class	club		
Scoring start	08:40:03		
Scoring end	12:53:23		
Index:	100.0		
Club	Nijmeegse Aeroclub		
Date of claim	27.10.2021 19:34:17		
state	IGC-File: Flight:		

Map Interactive Classic

MSL: 0 m Vario: 0 m/s Speed: 0 km/h AGL: 0 m Time: 00:00:00

Story

Flight path

Classic	Lon	Lat	Alt	Time [UTC]
[Data points for flight path]				

Flight information - Tudor Vacaretu (RO) - 15.03.2020

Type of glider: Std. Cirrus, Takeoff location: Porta Westfalica (DE / NW)

OLC-Plus Speed/League Destination

Flight details

	Classic	FAI
Points for the flight	431.65	424.81
scoring distance	420.55 km	22.59 km
Speed	102.27 km/h	4.46 km/h
Duration	04:06:44	05:03:42
Scoring class	club	
Scoring start	09:30:08	
Scoring end	14:39:47	
Index:	99.0	
Club	Nijmeegse Aeroclub	
Date of claim	15.03.2020 16:16:24	
state	IGC-File: Flight:	

Map Interactive Classic

MSL: 0 m Vario: 0 m/s Speed: 0 km/h AGL: 0 m Time: 00:00:00

Story

Flight path

Classic	Lon	Lat	Alt	Time [UTC]
[Data points for flight path]				

Flight information - Tudor Vacaretu (RO) - 04.07.2020

Type of glider: Std. Cirrus WL, Takeoff location: Porta Westfalica (DE / NW)

OLC-Plus Speed/League Destination

Flight details

	Classic	FAI
Points for the flight	552.45	546.90
scoring distance	546.90 km	18.50 km
Speed	80.52 km/h	2.55 km/h
Duration	06:47:31	07:14:52
Scoring class	club	
Scoring start	08:41:15	
Scoring end	15:56:07	
Index:	100.0	
Club	Nijmeegse Aeroclub	
Date of claim	04.07.2020 17:12:10	
state	IGC-File: Flight:	

Map Interactive Classic

MSL: 0 m Vario: 0 m/s Speed: 0 km/h AGL: 0 m Time: 00:00:00

Story

Flight path

Classic	Lon	Lat	Alt	Time [UTC]
[Data points for flight path]				

Flight Stories for Today

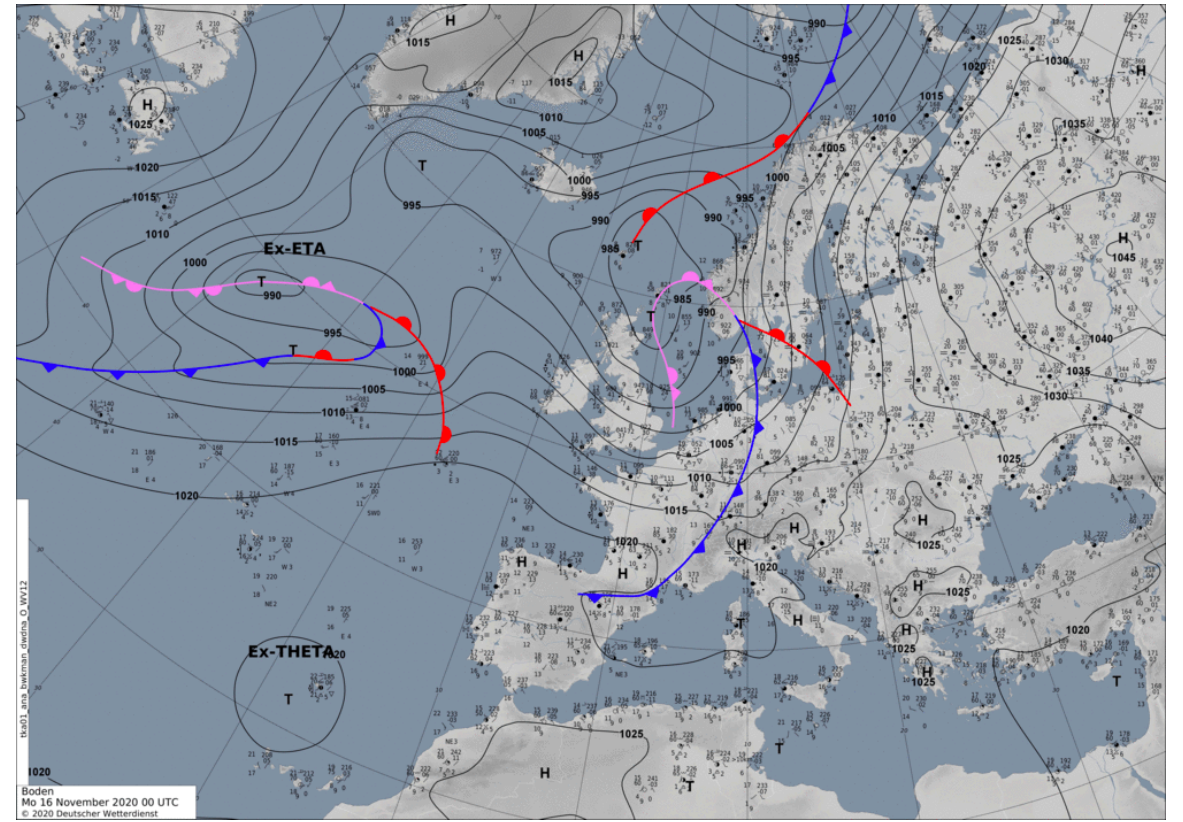
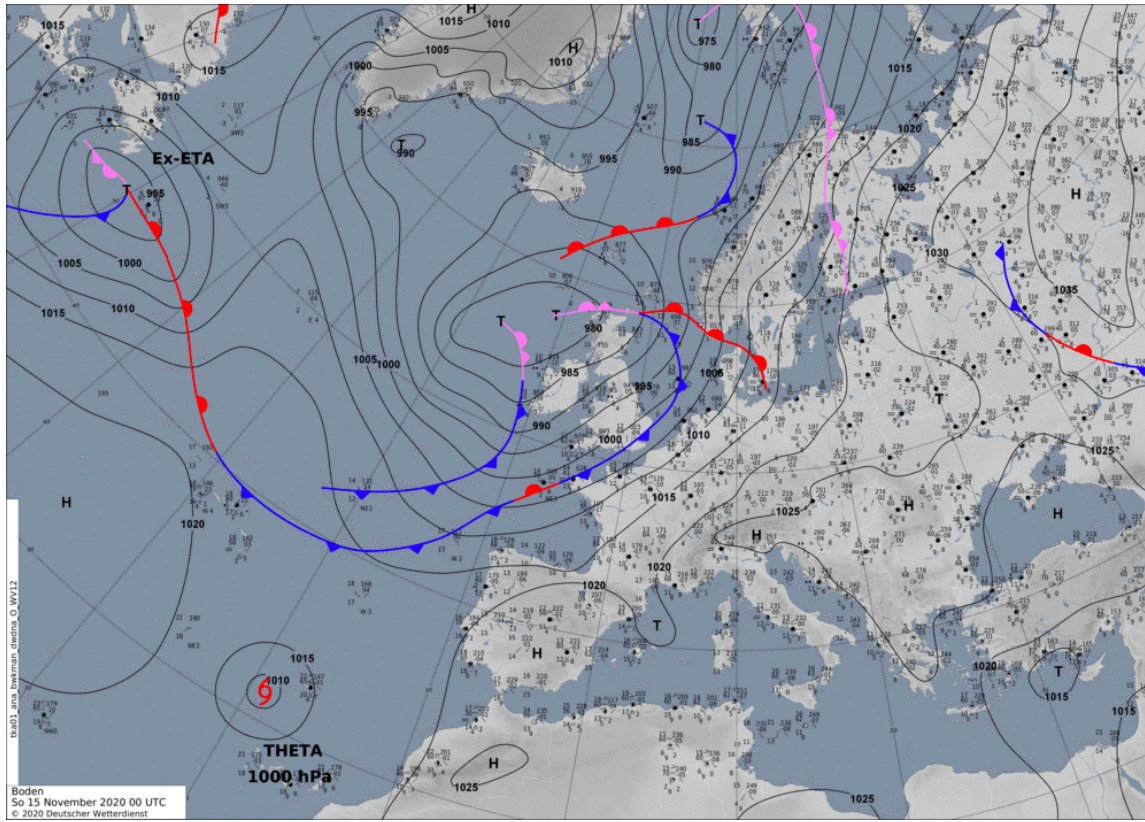
- 3800m At Schaumburg Wave.
- South Side Wave in the Harz Mountains.
-

3800m in the Schaumburg Wave

15th of November 2020

- Date: 15th of November 2020.
- Takeoff: Porta Westfalica (EDVY) Time 08:28 UTC
- Landing: Porta Westfalica (EDVY) Time: 15:47 UTC
- Ground Wind direction: 190° (at 08:20 UTC according to EDDV Metar)
- Ground Wind Strength: 13KT (at 08:20 UTC according to EDDV Metar)
- Ground Wind direction: 190° (at 12:20 UTC according to EDDV Metar)
- Ground Wind Strength : 12KT (at 12:20 UTC according to EDDV Metar)
- Ground Wind direction: 160° (at 15:20 UTC according to EDDV Metar)
- Ground Wind Strength : 12KT (at 15:20 UTC according to EDDV Metar)

3800m in the Schaumburg Wave



3800m in the Schaumburg Wave

i Flight information - Tudor Vacaretu (RO) - 15.11.2020

Type of glider: **Std. Cirrus WL**, Takeoff location: Porta Westfalica (DE / NW)

OLC-Plus **Speed/League** Destination

Flight details

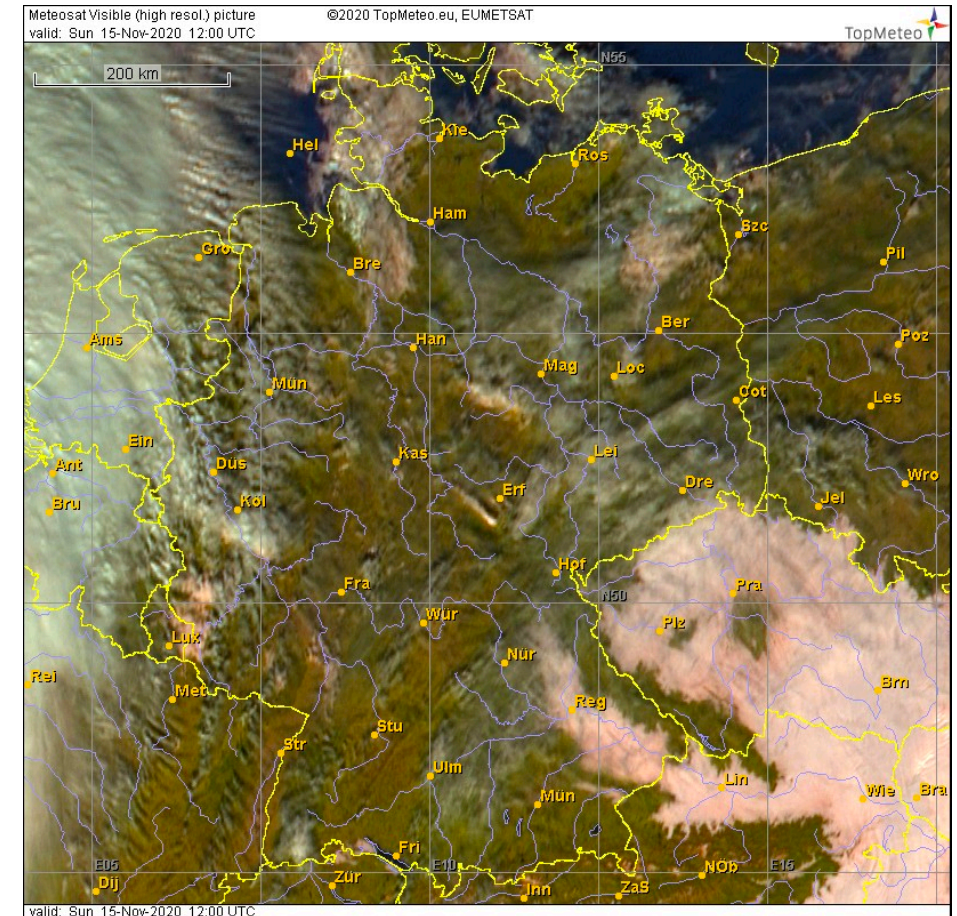
		Classic	FAI
Points for the flight	466.43	457.77	8.66
scoring distance		457.77 km	28.86 km
Speed		67.58 km/h	4.02 km/h
Duration		06:46:27	07:10:41
Scoring class	club		
Scoring start	08:31:00		
Scoring end	15:46:46		
Index:	100.0		
Club	Nijmeegse Aeroclub		
Date of claim	15.11.2020 16:40:28		
state	IGC-File: Flight:		

Map **Interactive** Classic

MSL: 0 m Vario: 0 m/s Speed: 0 km/h AGL: 0 m Time: 00:00:00

08:31 Scoring start 3 km north-east of Porta Westfa...

08:33 Start 3 km north of Porta Westfalica



3800m in the Schaumburg Wave Highs



3800m in the Schaumburg Wave Lows



Even Lower – 25.10.2020

i Flight information - Tudor Vacaretu (RO) ☺ - 25.10.2020

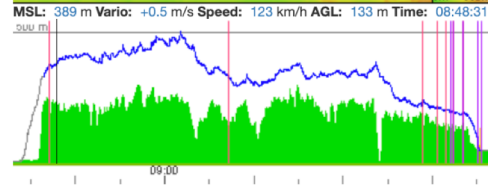
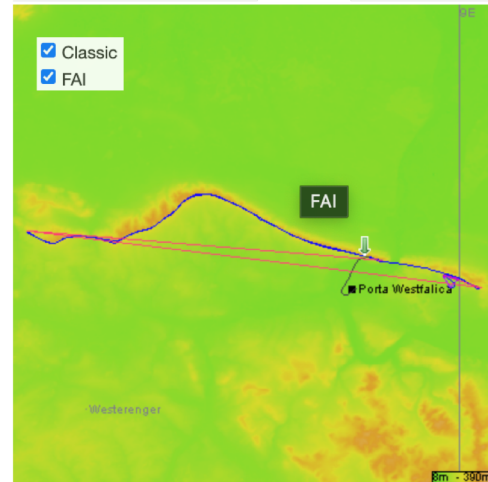
Type of glider: [Std. Cirrus WL](#), Takeoff location: Porta Westfalica (DE / NW)

OLC-Plus [Speed/League](#) [Destination](#)

Flight details

		Classic	FAI
Points for the flight	80.42	79.33	1.09
scoring distance		79.33 km	3.63 km
Speed		102.62 km/h	64.06 km/h
Duration		00:46:23	00:03:24
Scoring class	club		
Scoring start	08:47:02		
Scoring end	09:36:04		
Index:	100.0		
Club	Nijmegen Aeroclub		
Date of claim	25.10.2020 16:53:17		
state	IGC-File: v Flight: s		

Map



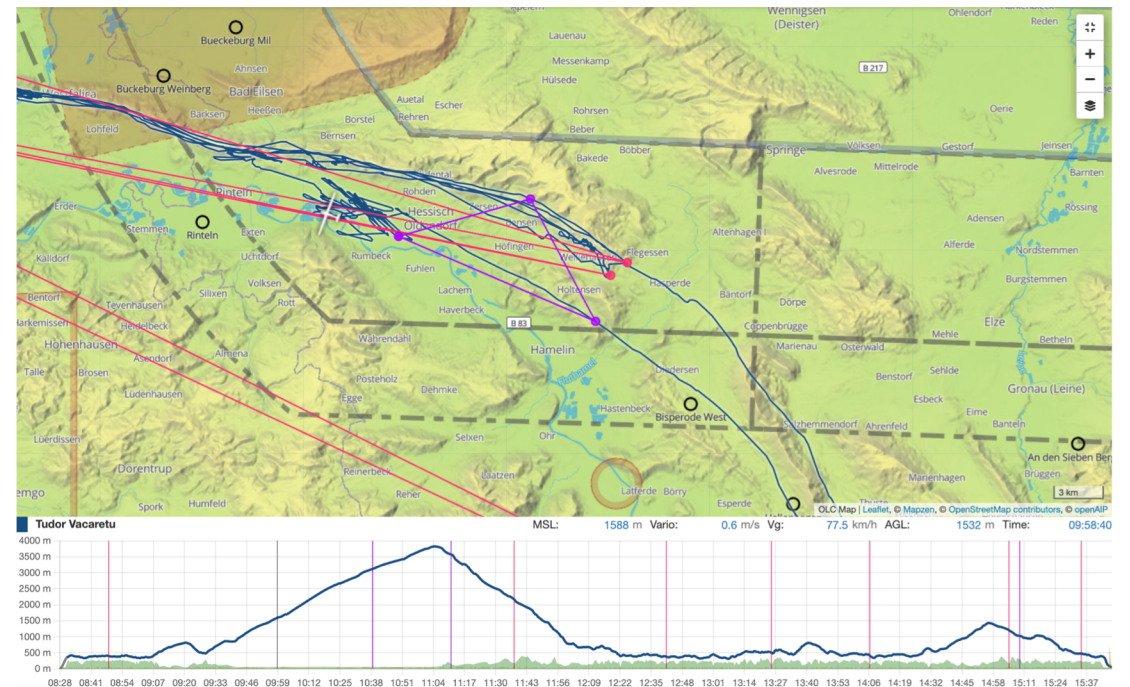
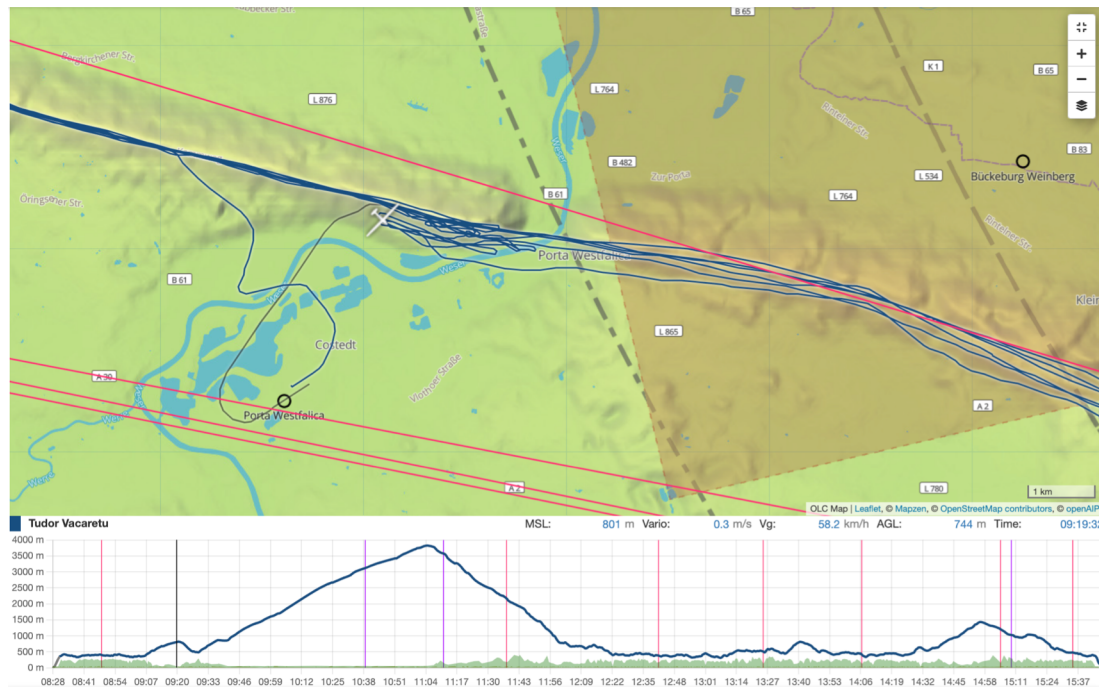
Story

08:47 [edit story](#)

Scoring start 3 km north-east of Porta Westfa...



3800m in the Schaumburg Wave



3800m in the Schaumburg Wave



Notable Flight - 15th November 2020 – Florian Bartels

i Flight information - Florian Bartels (DE) - 15.11.2020

Type of glider: [DG 808B/18m](#), Takeoff location: Grosse Wiese (DE / NI)

OLC-Plus [Speed/League](#)

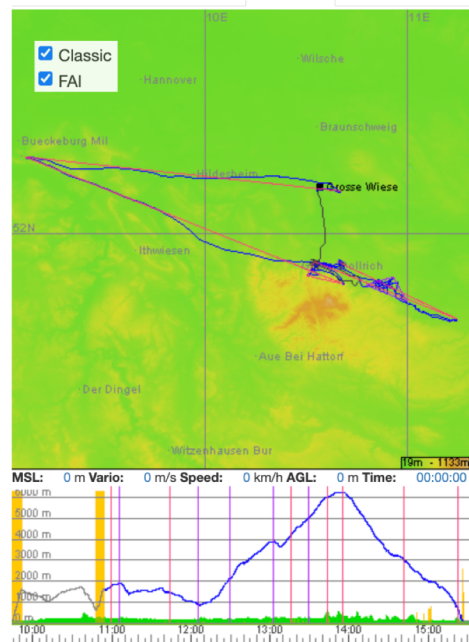
Flight details

	Classic	FAI
Points for the flight	294.29	285.73
scoring distance	337.17 km	33.65 km
Speed	76.74 km/h	14.06 km/h
Duration	04:23:37	02:23:38
Scoring class	18m	
Scoring start	10:54:33	
Scoring end	15:27:35	
Index:	118.0	
Club	LSG Wolfenbüttel	
Date of claim	15.11.2020 18:10:20	
state	IGC-File: V Flight: S	

Flight path

Classic	Lon	Lat	Alt	Time [UTC]
Start	010°39.342E	51°55.075N	1787m	10:59:45
WP1	011°14.730E	51°44.588N	1472m	11:45:04

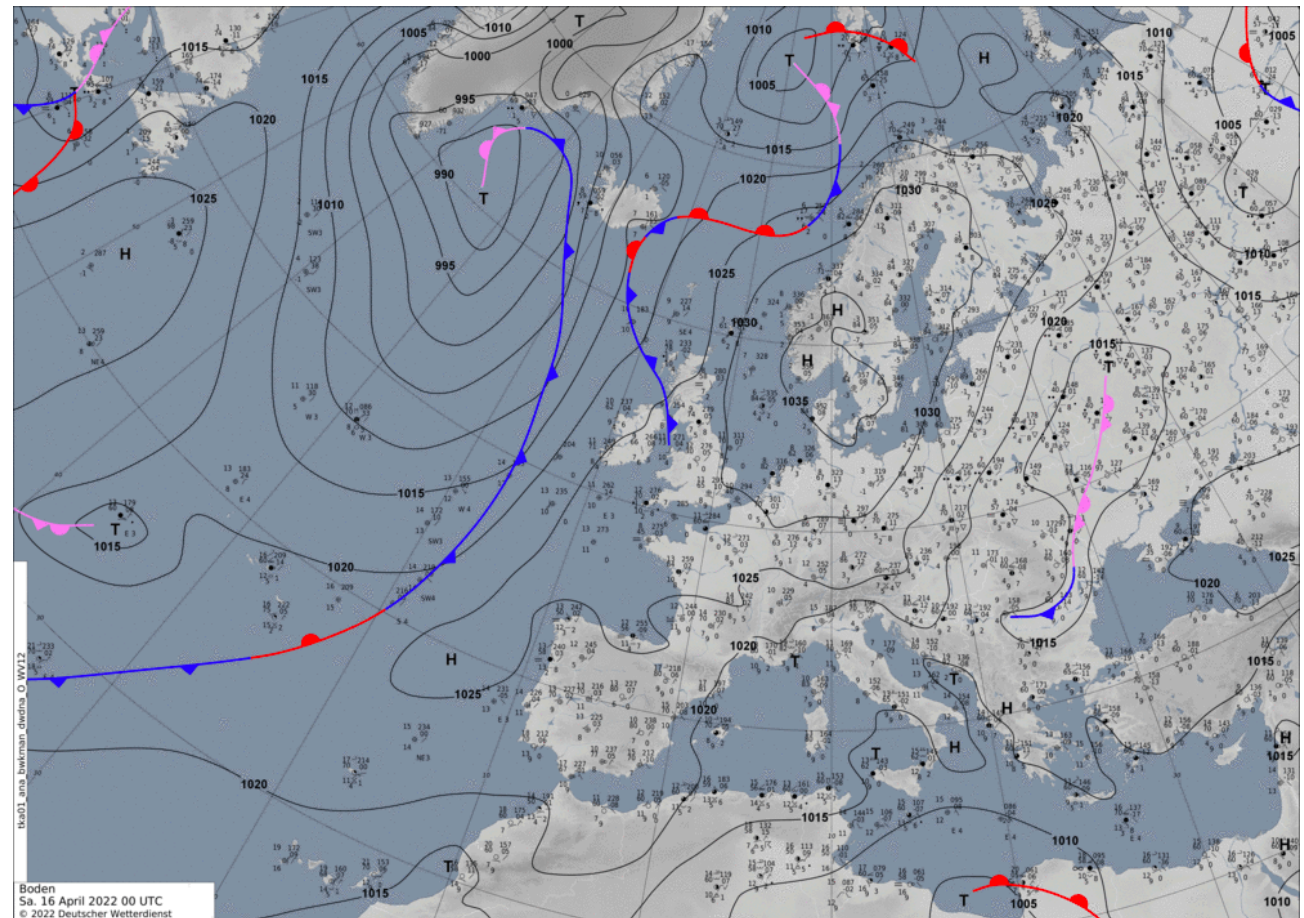
Map



Harz on the South Side with NE wind 16 April 2022

station,valid,drct,sknt

- EDDV,2022-04-16 06:50,100.00,12.00
- EDDV,2022-04-16 07:20,90.00,11.00
- EDDV,2022-04-16 07:50,100.00,10.00
- EDDV,2022-04-16 08:20,90.00,10.00
- EDDV,2022-04-16 08:50,100.00,12.00
- EDDV,2022-04-16 09:20,100.00,10.00
- EDDV,2022-04-16 09:50,110.00,9.00
- EDDV,2022-04-16 10:20,90.00,12.00
- EDDV,2022-04-16 10:50,80.00,12.00
- EDDV,2022-04-16 11:20,90.00,10.00



Harz on the South Side with NE wind

Flight information - Tudor Vacaretu (RO) - 16.04.2022

Type of glider: **Std. Cirrus WL**, Takeoff location: Aue Bei Hattorf (DE / NI)

OLC-Plus **Speed/League** Destination

Flight details

	Classic	FAI	Distance
Points for the flight	149.52	119.99	2.45
scoring distance	120.00 km	8.18 km	90.24 km
Speed	41.84 km/h	11.53 km/h	29.44 km/h
Duration	02:52:06	00:42:34	03:03:56
Scoring class	club		
Scoring start	07:56:51		
Scoring end	11:01:41		
Index:	100.0		
Club	Nijmeegse Aeroclub		
Date of claim	16.04.2022 18:31:13		
state	IGC-File: Flight:		

Map **Interactive** Classic

MSL: 0 m Vario: 0 m/s Speed: 0 km/h AGL: 0 m Time: 00:00:00

Story

Flight path

Classic

Flight information - Matthias Picht (DE) - 16.04.2022

Type of glider: **DG 100**, Takeoff location: Aue Bei Hattorf (DE / NI)

OLC-Plus **Speed/League** Destination

Flight details

Points for the flight	71.24
scoring distance	59.37 km
Speed	0.0 km/h
Duration	01:46:56
Scoring class	club
Scoring start	06:58:35
Scoring end	08:55:19
Index:	100.0
Pilot factor	1.2 (<1000km)
Club	LSV Aue Hattorf
Date of claim	16.04.2022 15:15:57
state	IGC-File: Flight:

Map **Interactive** Classic

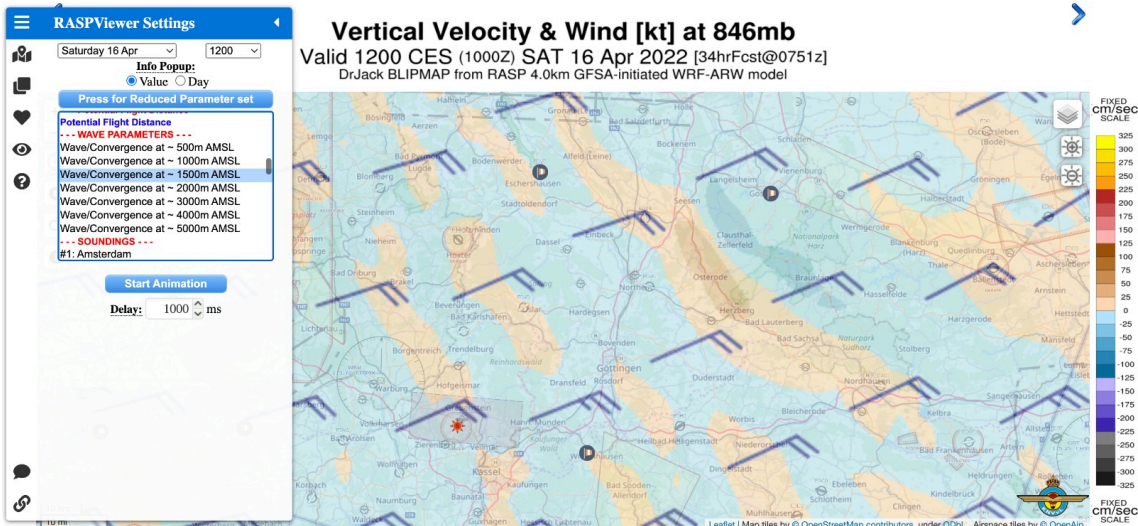
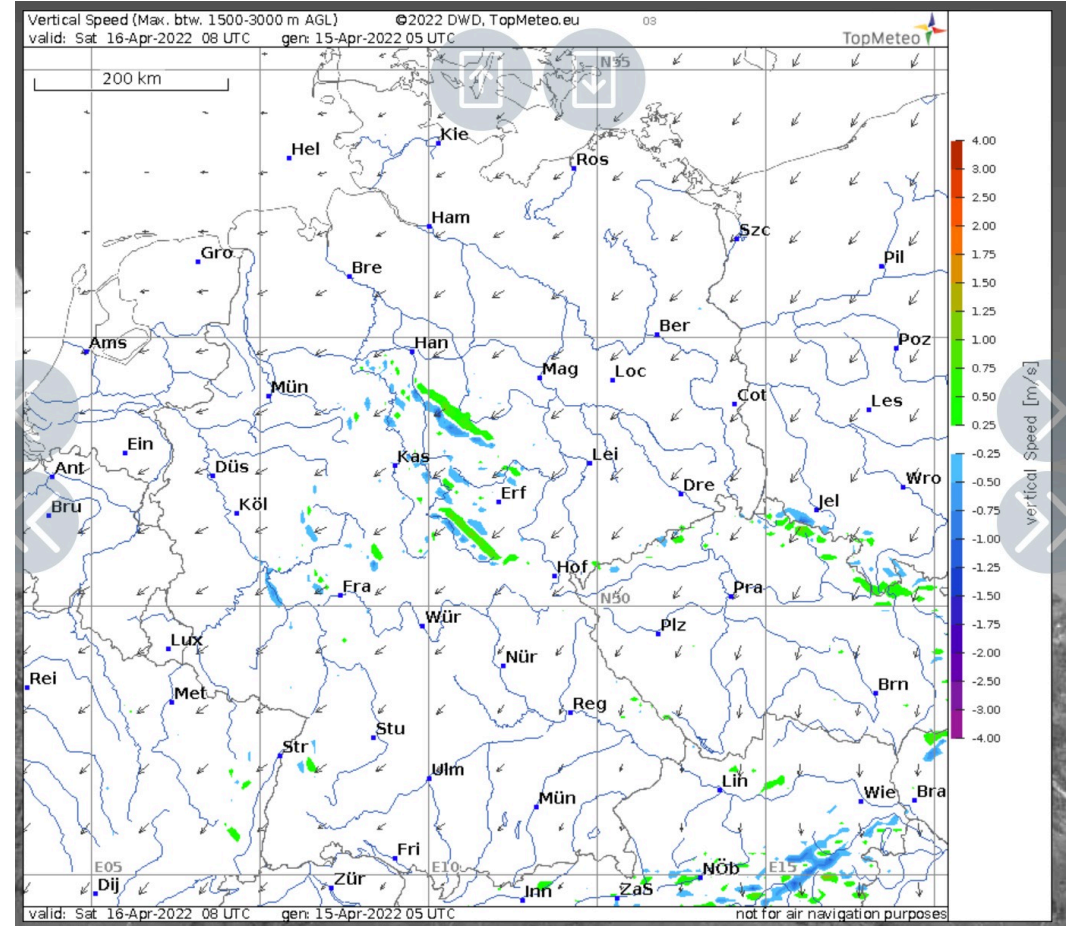
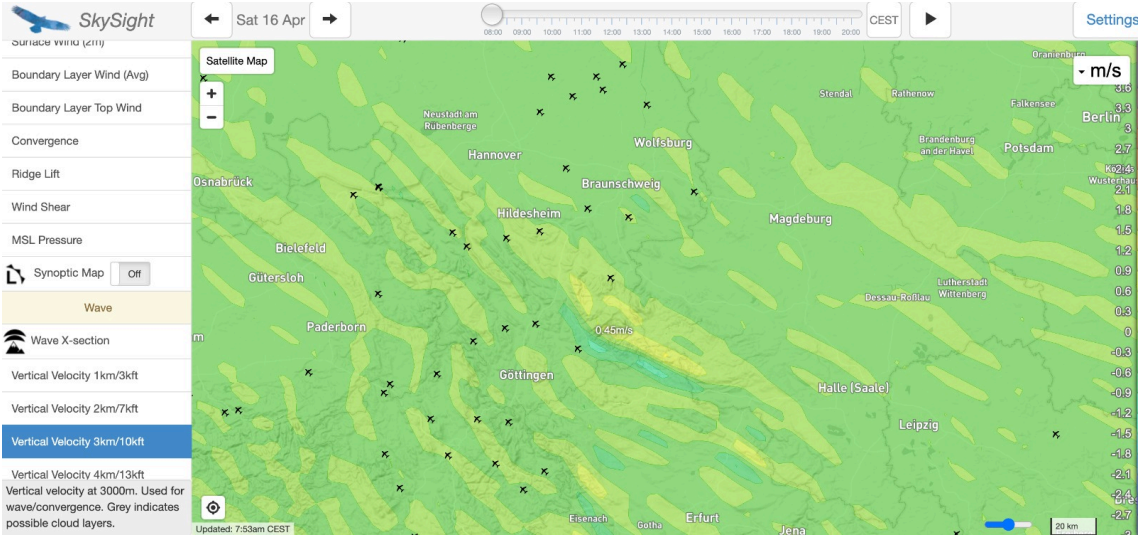
Classic

MSL: 0 m Vario: 0 m/s Speed: 0 km/h AGL: 0 m Time: 00:00:00

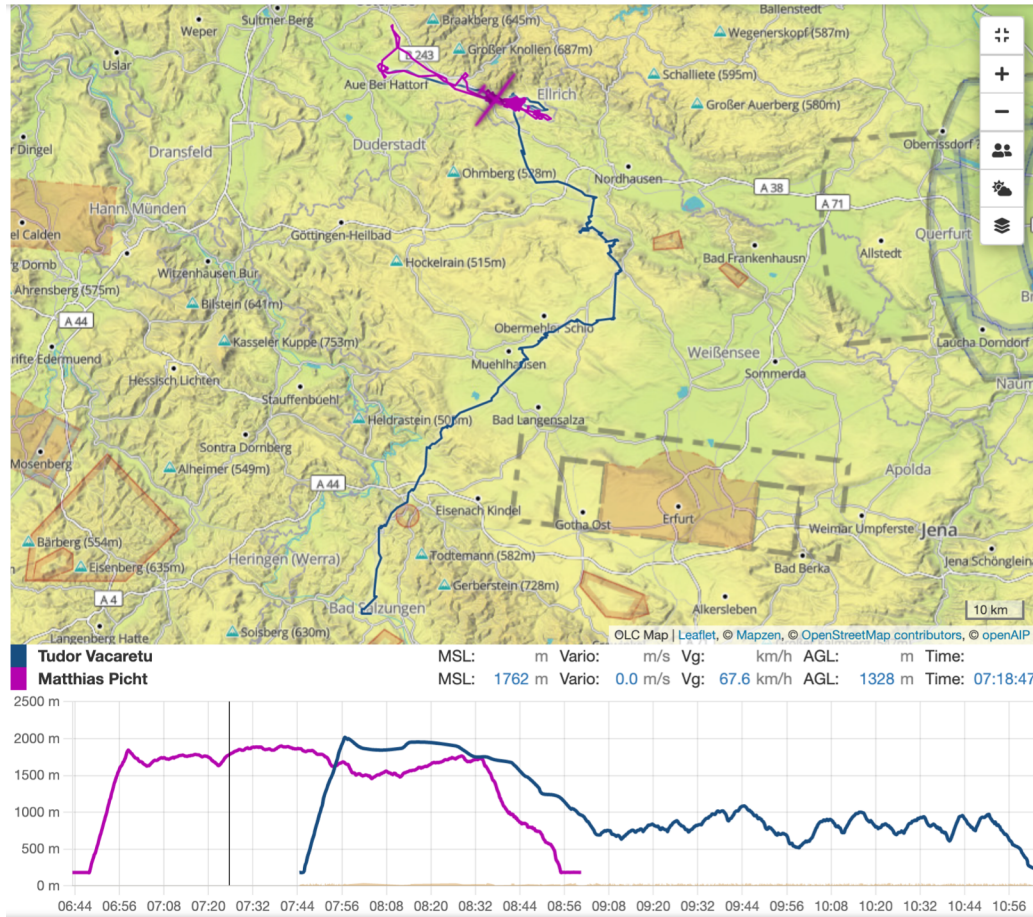
Flight path

	Lon	Lat	Alt	Time [UTC]
Start	010°26.281E	51°37.605N	1630m	06:59:11
WP1	010°38.978E	51°33.772N	1702m	07:42:35

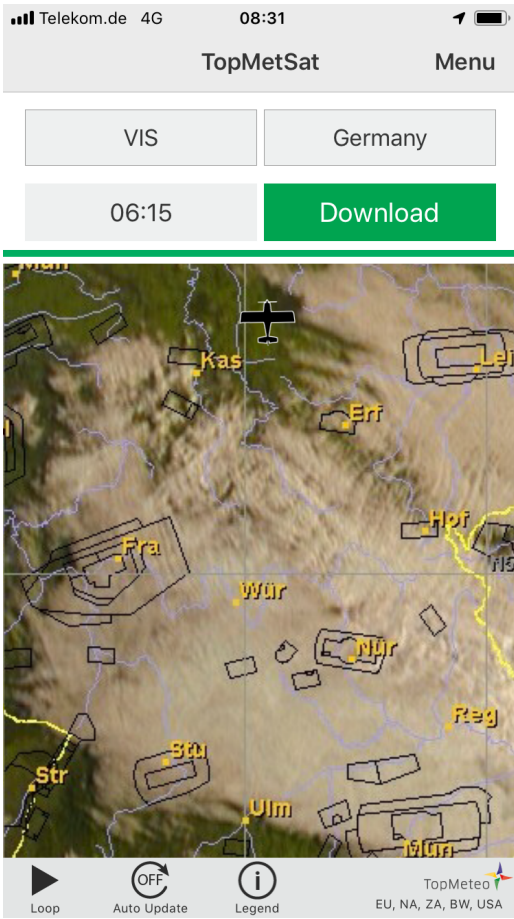
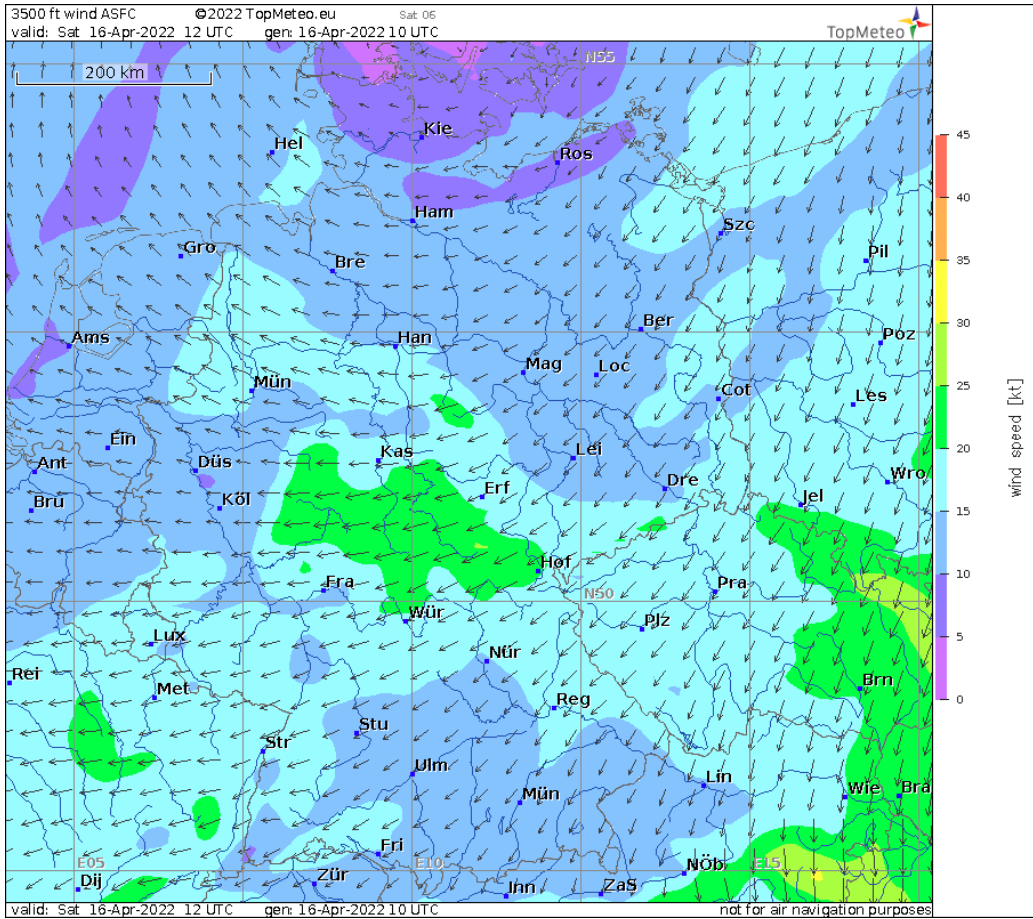
Wave Forecasts



Harz on the South Side with NE wind



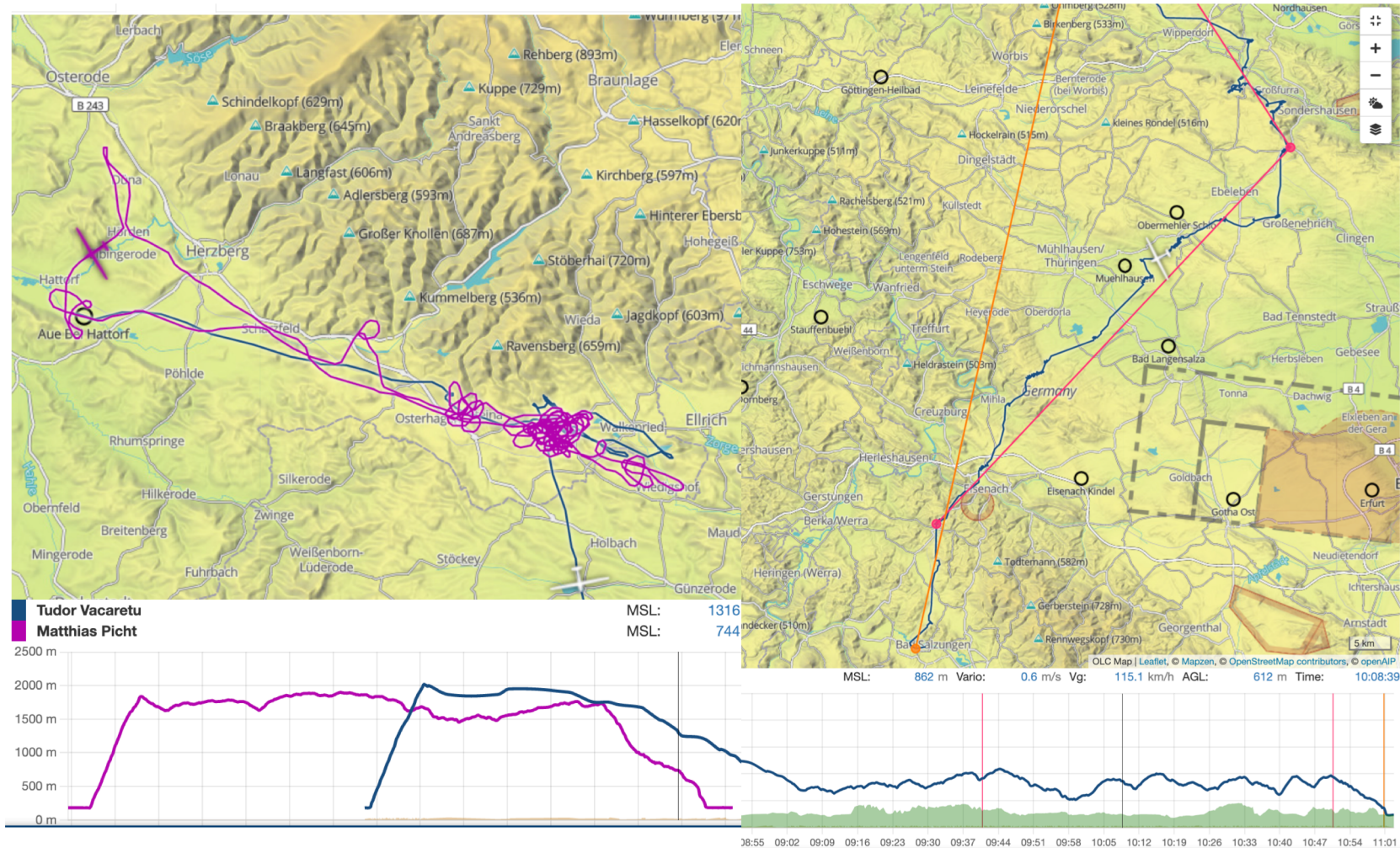
Wind & Satelitte



Harz on the South Side with NE wind Highs



Harz on the South Side with NE wind Highs



Harz on the South Side with NE wind Lows



As low as it can get.



Some Thoughts:

- Teutoburger Wald, Wiehengebirge, Wesergebrige, Ith, Harz, Witzenhausen is really a great area to fly in.
- Proven to work (not all of the hills of course, but the area as a whole) with North wind (NE is better), East Wind, South Wind (even SE), West Wind.
- Potential for early and late take-offs for long distance flights.
- Potential for 750km, 1000km, 1250km declared tasks.
- Potential for funny/interesting flights (out of the ordinary) and interesting combinations.
- Wave height gains: 3000m, 5000m.
- Still a lot to experiment, discover, refine, improve in future flights in the area.