SEAMAN PRO

SEAMAN PRO
by WetterWelt

Short manual - content

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1) Introduction

Even though the software is very easy and intuitive to use we would like to take this opportunity to briefly explain the main functions of **SEAMAN** PRO.

If there are any icons or buttons or switches you don't know, we would suggest just trying the out and seeing what happens. Please note: the left and right button on your mouse also have functions in **SEAMAN** PRO. Just play around with it a bit and you will quickly understand **SEAMAN** PRO.

Our tool tips will also help you out: just hoover with your curser over things you wish to know more about and, in many cases a short window will open (after about two seconds) and give a more detailed explanation.

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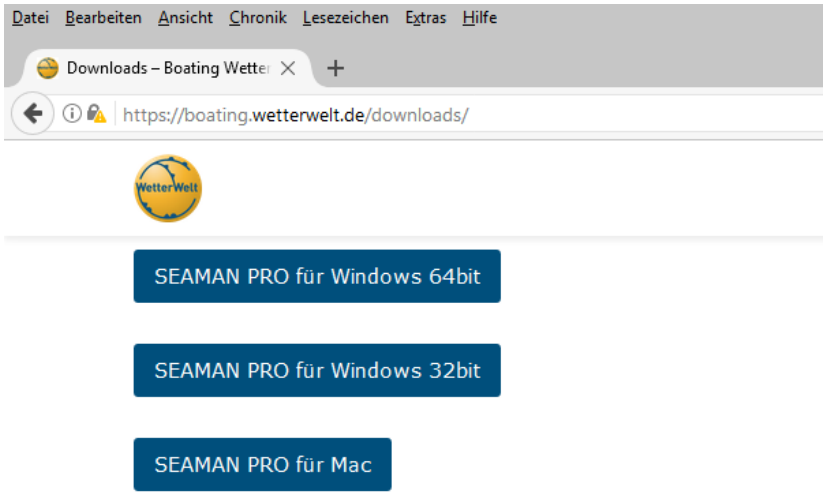
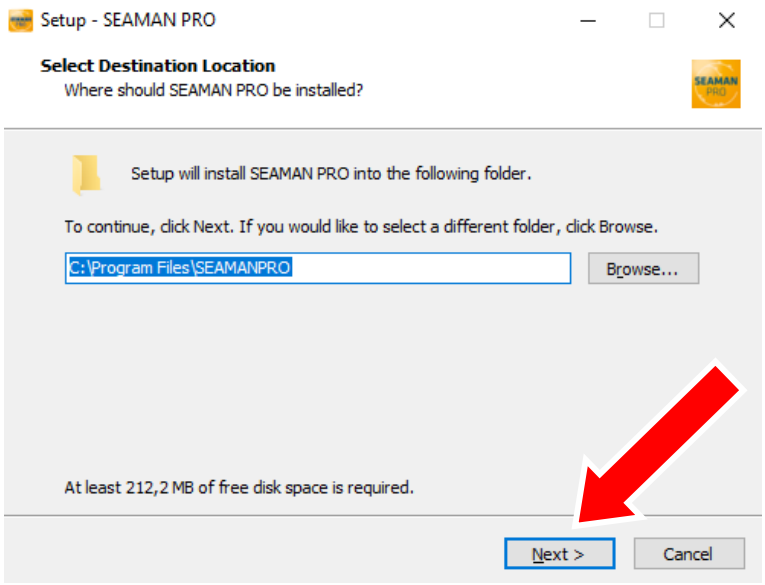
2) Installation

Download the installer from boating.wetterwelt.de/downloads/

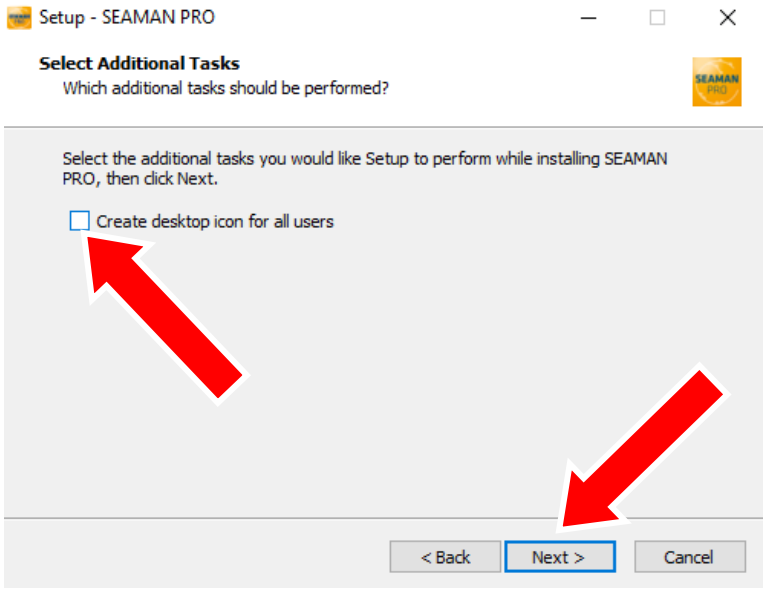


Open the installer:

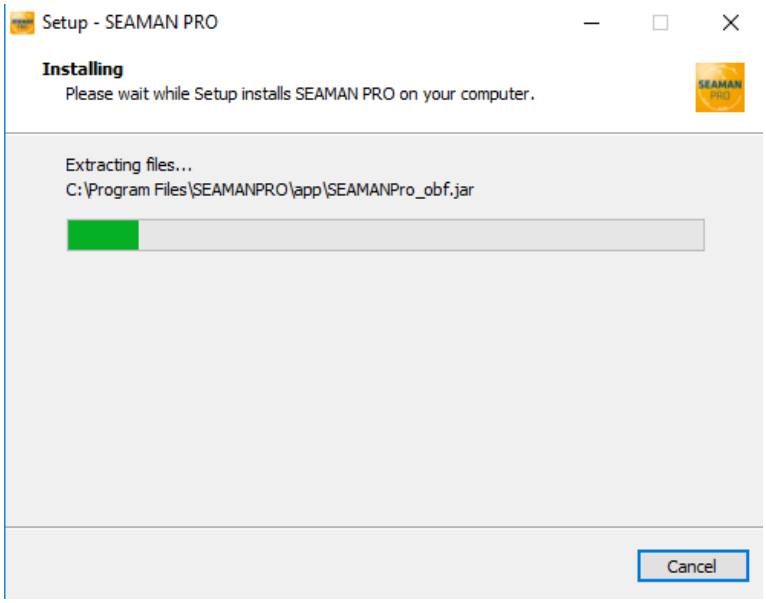
Confirm the storage location by clicking ‚Next':



Activate the box in the upper left if you wish to have a link-up to your desktop (we recommend this). Once again confirm by clicking ‚Next‘:



The installation starts now.



The installation is now complete (if you activate the little box **SEAMAN** PRO starts directly), just click ion 'Finish'

When starting **SEAMAN** PRO you get the following options:

1. Start **SEAMAN** PRO as a DEMO-Version to test all functions

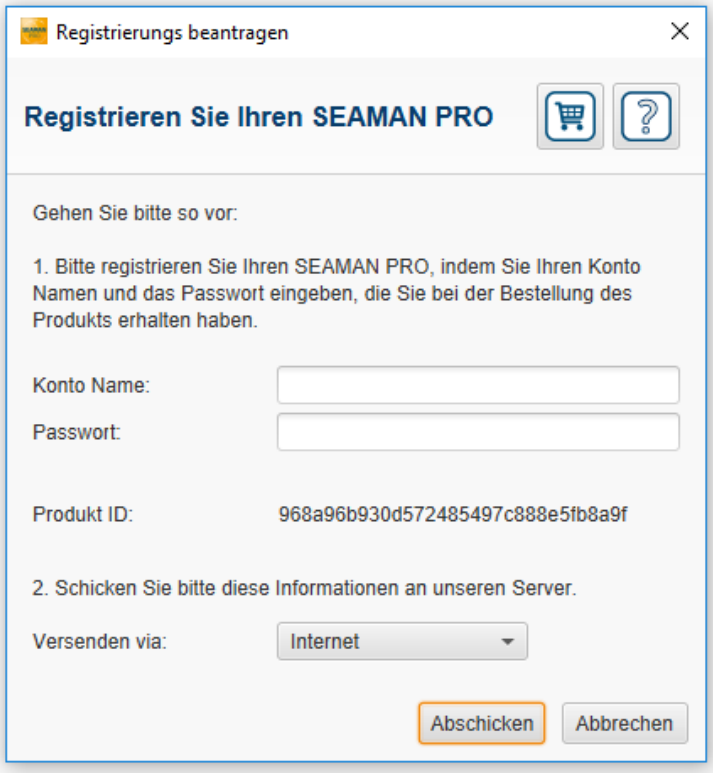
   or

2. Continue with the registration.

3) Request and import registration key

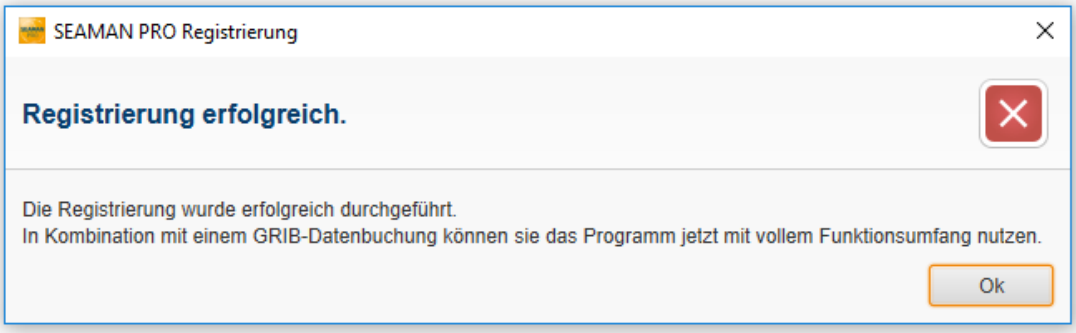
If you haven't imported a registration, **SEAMAN** PRO will show the following option after each start. Select ‚Registrierung anfordern / request registration key'.

Alternately you can also get to this dialog via ‚Menu > Configuration > Request registration key'.



Please enter the name and password which you receive via mail after buying **SEAMAN** PRO in our Webshop (webshop.wetterwelt.de – you can also get the by clicking on the shopping cart in the upper right hand corner).

If you are connected to the internet keep it set to ‚Versenden /send via > Internet' and click on 'Abschicken / submit'



Klick on ‚Ok' and you will see a short overview of you license. Click ‚Ok' once more – you can now use the full version of **SEAMAN** PRO.

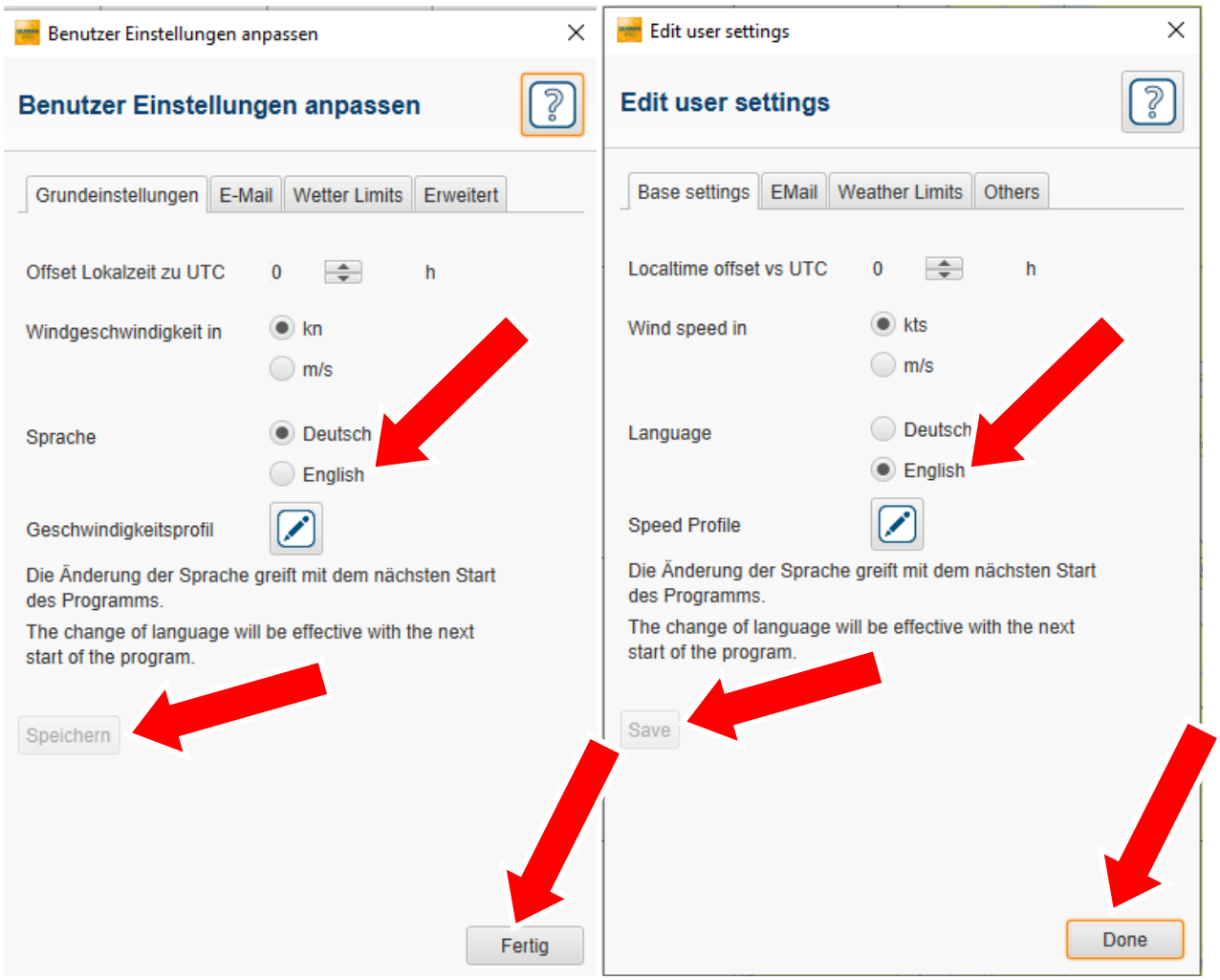
If you are not connected to the Internet you can choose: ‚Versenden / send via – als Datei speichern /save as file' and than ‚Abschicken / Submit'. Please send the file that this process generates via email to seamanpro@wetterwelt.de

You will receive a file which you can import via ‚Menü /Menu > Konfiguration / Configuration > Registrierungsschlüssel importieren / Import Registration Key' or per drag&drop into the program.

*Please note: buying **SEAMAN** PRO once entitles you to installing the full version on up to two devices at the same time. The registration has to be done individually on each device.*

4) User settings & switching to English

By clicking the icon (or ‚Menu > Configuration > Settings') you can customize **SEAMAN** PRO.



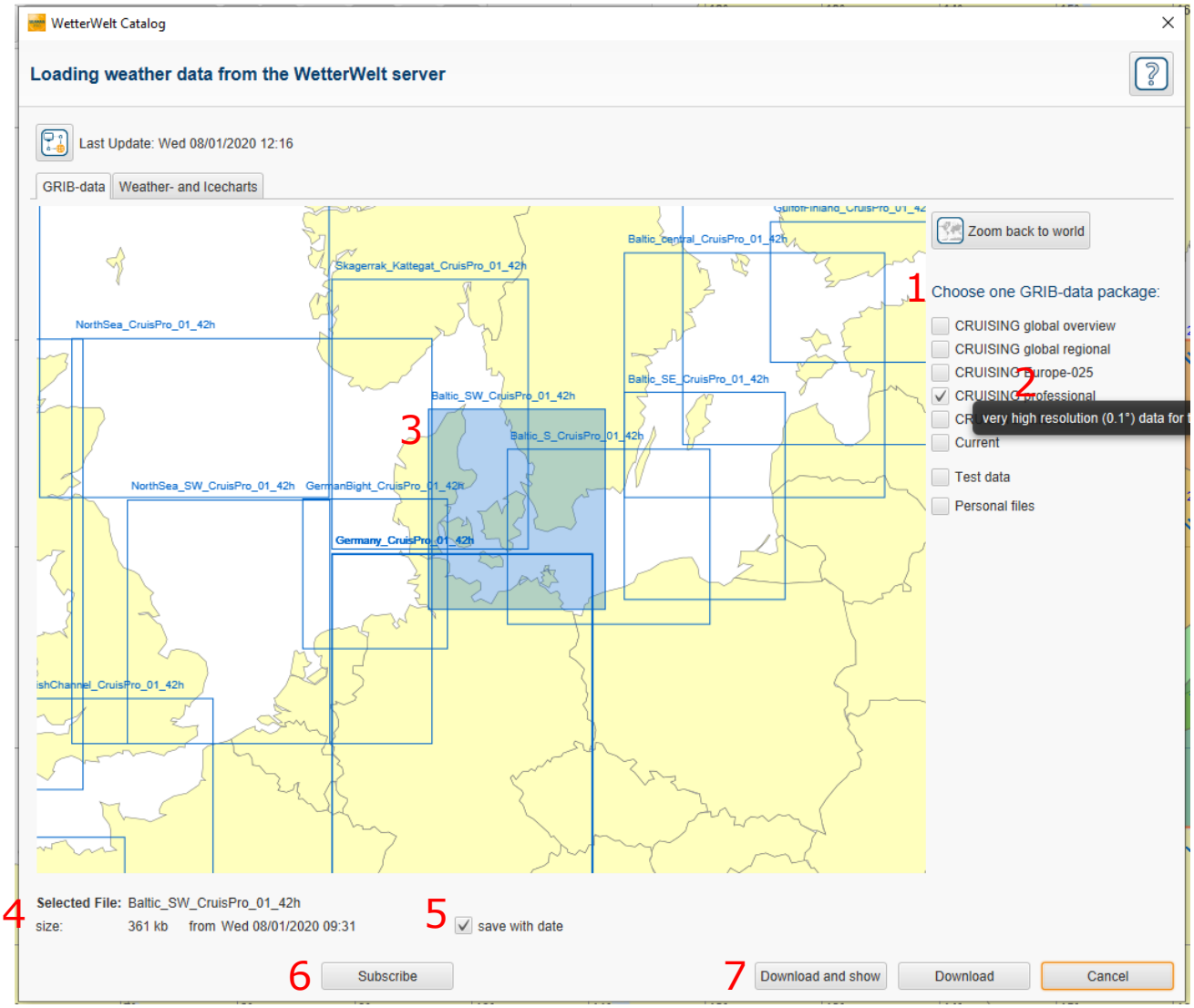
You can switch from UTC to local time, choose to display wind in kn or m/s. After clicking on ‚Speichern / Save' and ‚Fertig / Done' the changes become effective all over the program.

You can also change the language setting to English (click ‚Speichern / Save' and ‚Fertig / Done'). This change will be <u>effective with the next start of the program</u>!

5) Loading weather

a) Catalog

Click on the icon to connect with our online catalog (you need to be connected to the internet for this and you need an active GRIB data booking).

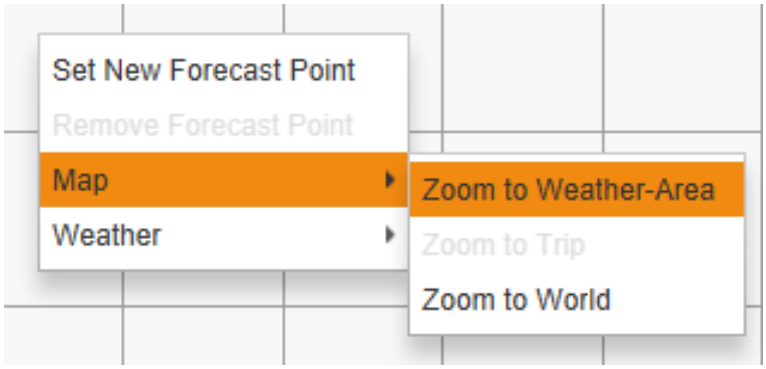


Here you will find:

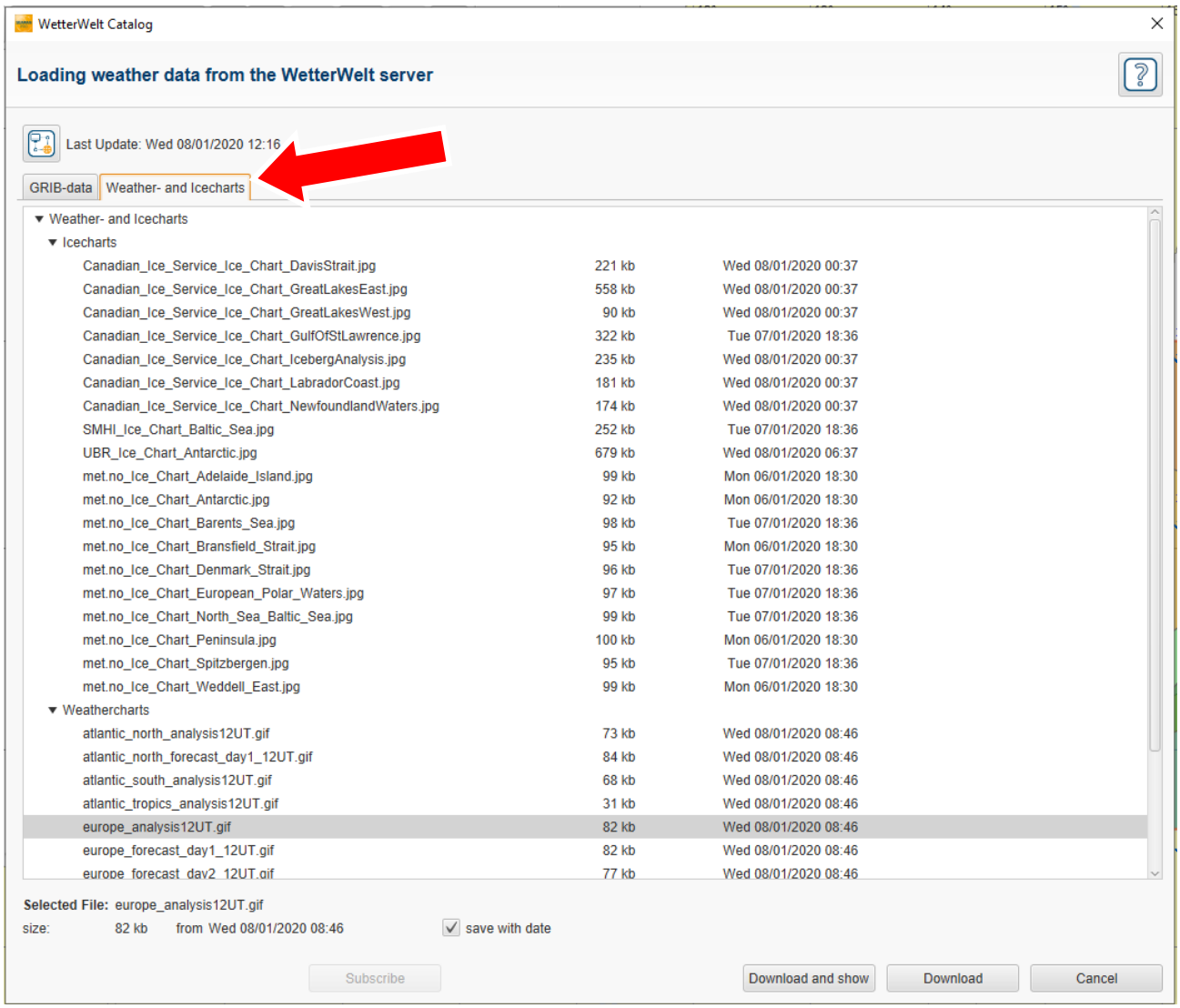
1. The selection of different GRIB data packages.
2. Further Information regarding the GRIB data packages – those appear when hovering with the mouse above the name for a short while.
3. The available packages to select in the zoomable map (the colored packet is the one currently selected.)
4. All information regarding the selected file.
5. The option to save the file with a date.
6. The option to set up a subscription of the file. The file will be send regularly via email. When and how often is set by you in step 2. Please refer to WoD dialogue 2, page 16.
7. The option to download the package, or download and display it right away.

As soon as the weather file is downloaded a connection to the internet is no longer needed to run **SEAMAN** PRO.

You might have to click on right cursor button > Map > Zoom to Weather-Area> to see it displayed.



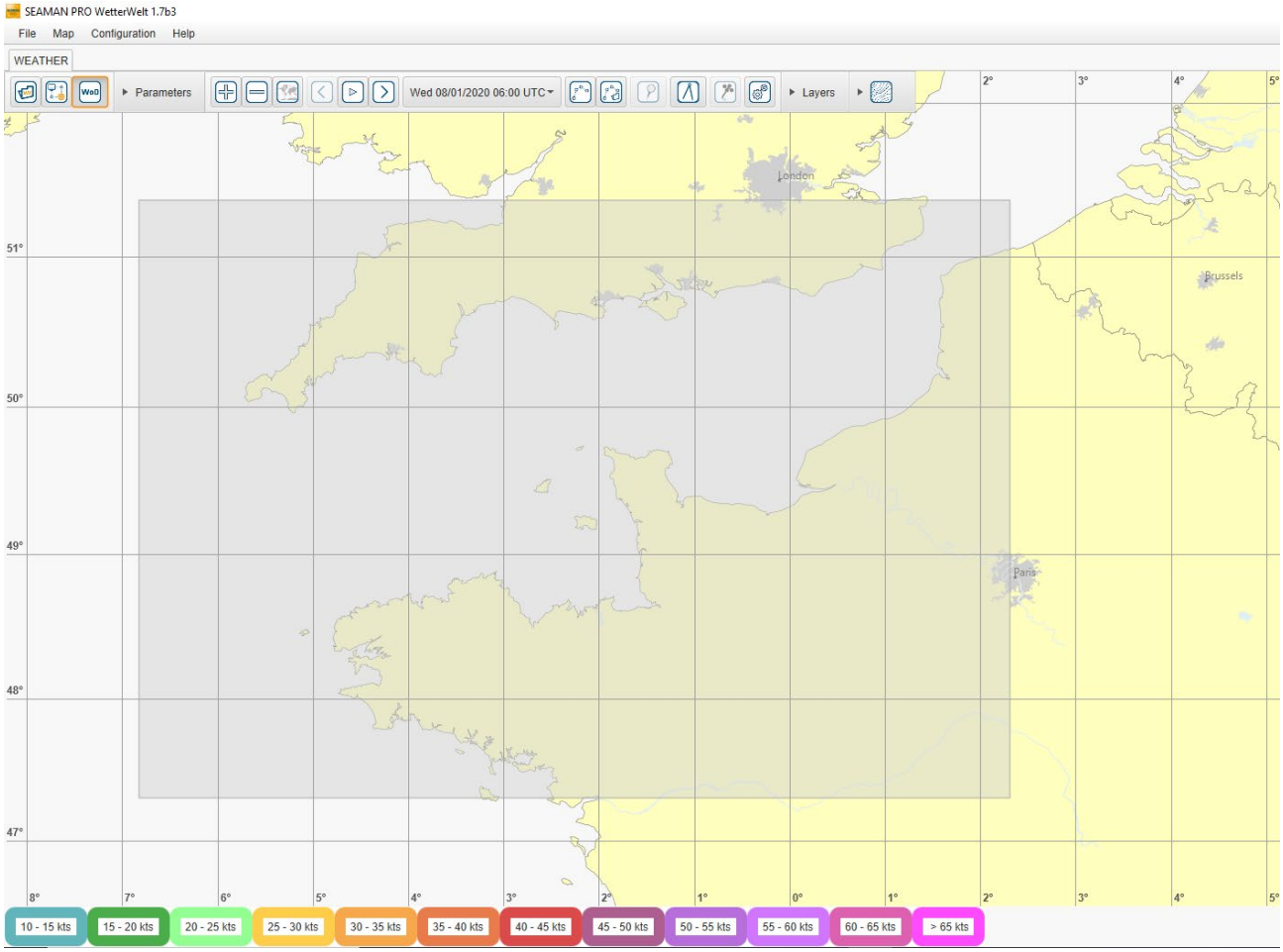
The tab ‚Weather- and Icecharts' offers more interesting Maps (as pictures) e.g. the weather charts of the general weather situation which are drawn daily by our meteorologists:



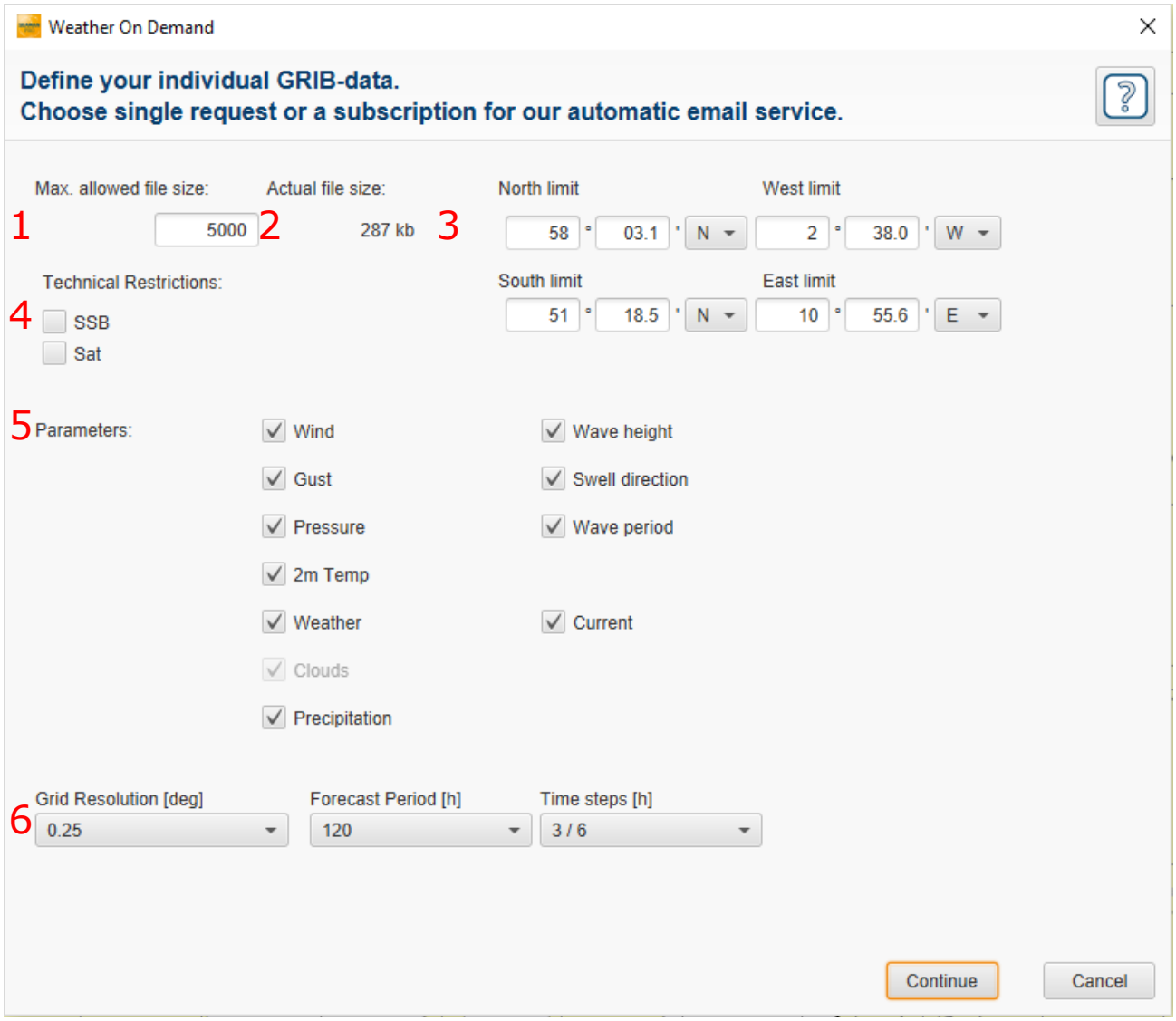
b) WoD – Weather on Demand

By clicking on the WoD icon you get to the WoD dialog (of note: you need to be connected to the internet for a direct file delivery and you need an active GRIB data booking).

Directly after you click on WoD the cursor will turn into a double arrow. Select the area of your choosing by keeping the right cursor button pressed down and thus drawing a rectangle.



Let go of the right cursor button and the WoD-Dialog will open:

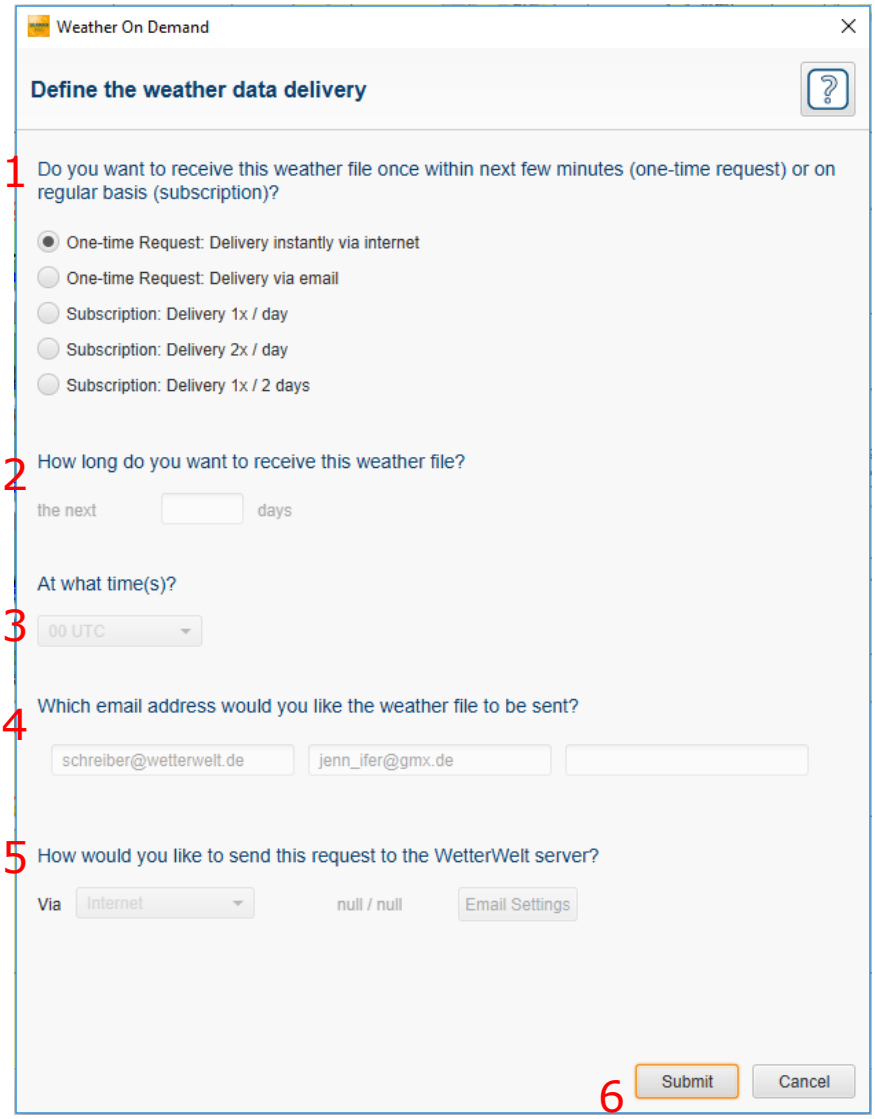


Here you can:

1. See and edit the max file size (absolute max is 5000MB)
2. See the size of the file as it is currently configured.
3. Define the area more precisely by its coordinates.
4. Configure the file for Sat or SSB E-Mail delivery
5. Pick the parameters you would like to be included in the file.
6. Choose the resolution, forecast period and time steps.

Click on ‘Continue’ once you are done.

A second WOD dialog appears:



Here you can:

1. Choose between single request and regular delivery.
2. Choose the number of days for regular delivery (starting today)
3. Choose the time at which you want the file delivered.
4. Insert up to 3 email address for the regular weather file delivery.
5. Pick how you would like to send out the weather request.
6. Submit the request.

Regarding 1.

With ‚Single request only' you get the weather file directly and only once.

With ‚Data delivery 1x / day', , Data delivery 1x / day' and , Data delivery 1x / day', you can set up an individual GRIB data subscription.

When you are connected to the Internet you can also download you individual GRIB files via the catalog: , > ‚personal files'

Regarding 5.

If you have an internet connection chose ‚WetterWelt server' for a direct communication with our server. If not chose ‚save as file' and send us an email with the request file as an attachment at a later time (to seamanpro@wetterwelt.de).

Our server compiles your GRIB file automatically and sends it to you right away (singe request) / at the time you specified (subscription).

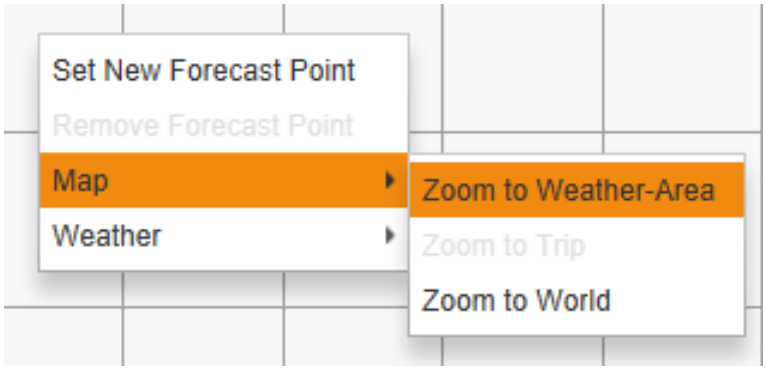
*Note: You can also choose to send the request via e-mail from within the program. In order to do so you need to go to settings and give the SMTP host, port, user and password of your e-mail account. These can be found through your e-mail provider. This is an additional option in **SEAMAN** PRO that is absolutely not required to run the program.*

Note: to receive weather files via SSB or Satmail you might need to "whitelist" us, that is to register our sender addresses seamanpro@wetterwelt.de and mail@wetterwelt.de with your provider as senders which may send you attachments!

A weather file that you saved to your device can be loaded via the icon

(or via drag&drop).

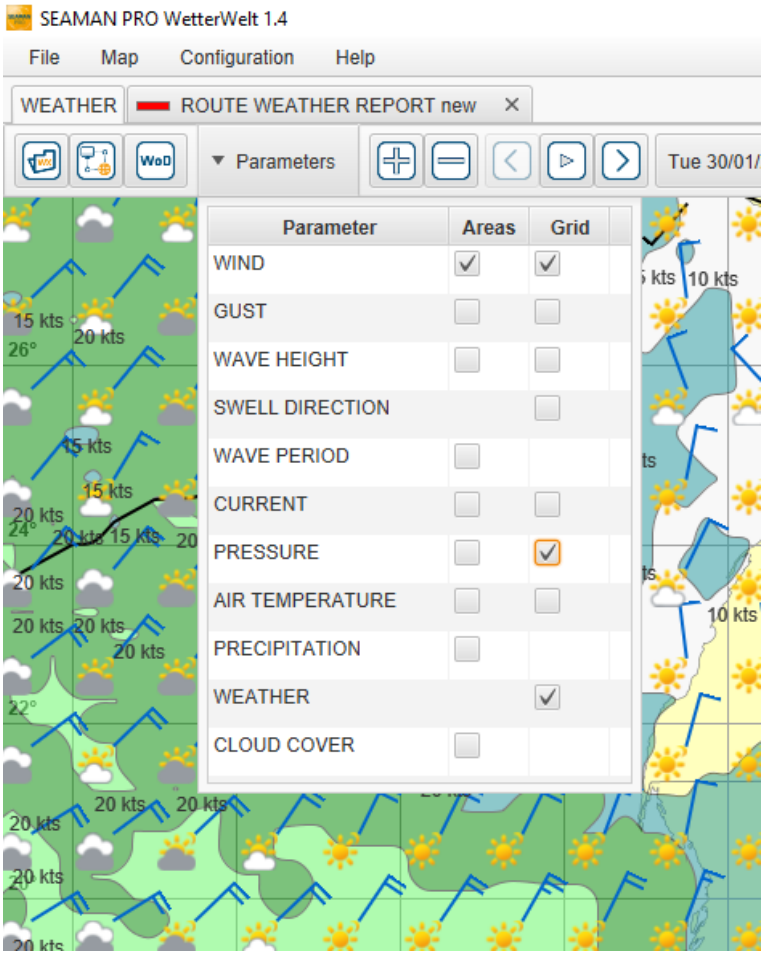
You might have to click on right cursor button > Map > Zoom to Weather-Area> to see it displayed.



c) Weather display

An overview of some important functions:

- Hold down the right cursor button to open up an area on the map. Let go of the button and **SEAMAN** PRO zooms to that area.
- You can also zoom in and out using and .
- With you move through the time steps of the GRIB file.
- ‚Parameters' allows you to pick the weather information that is displayed on the map.



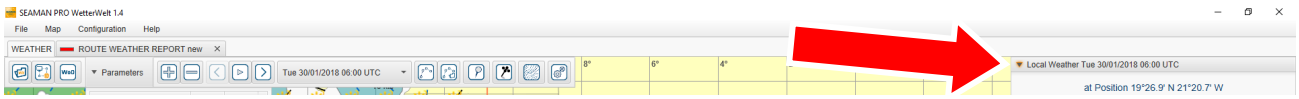
You can choose between an area and a gridded display (but only one parameter at a time can be displayed as an area)

If you ever find yourself in a situation where your screen displays no weather information please check the following:

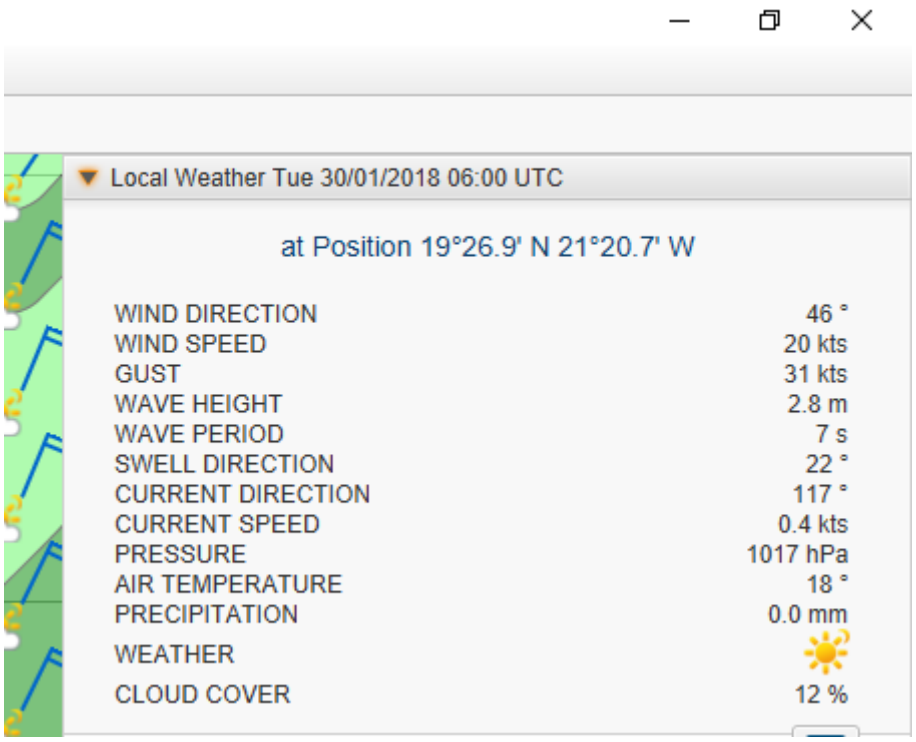
- ‚Parameters' – is at least one box activated.
- Are you looking at the right area for the GRIB file (‚right cursor button > Map > Zoom to Weather-Area ')
- Did you maybe chose only an area and the values for the parameter are too low to be shown (e.g. gust is only displayed as an area upward of 25kn.)
- With you can display wind and / or current as „flow" on the map.

6) Local weather

Once you load a GRIB file you can use the function ‚Local weather'.

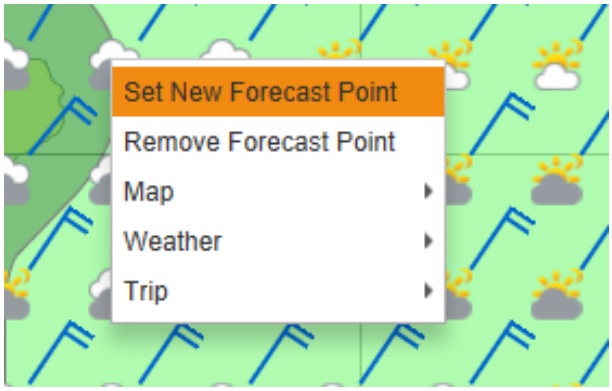


Click on this area and the following window unfolds:



If you mover the mouse over the map this window shows you the weather of the current position of the cursor.

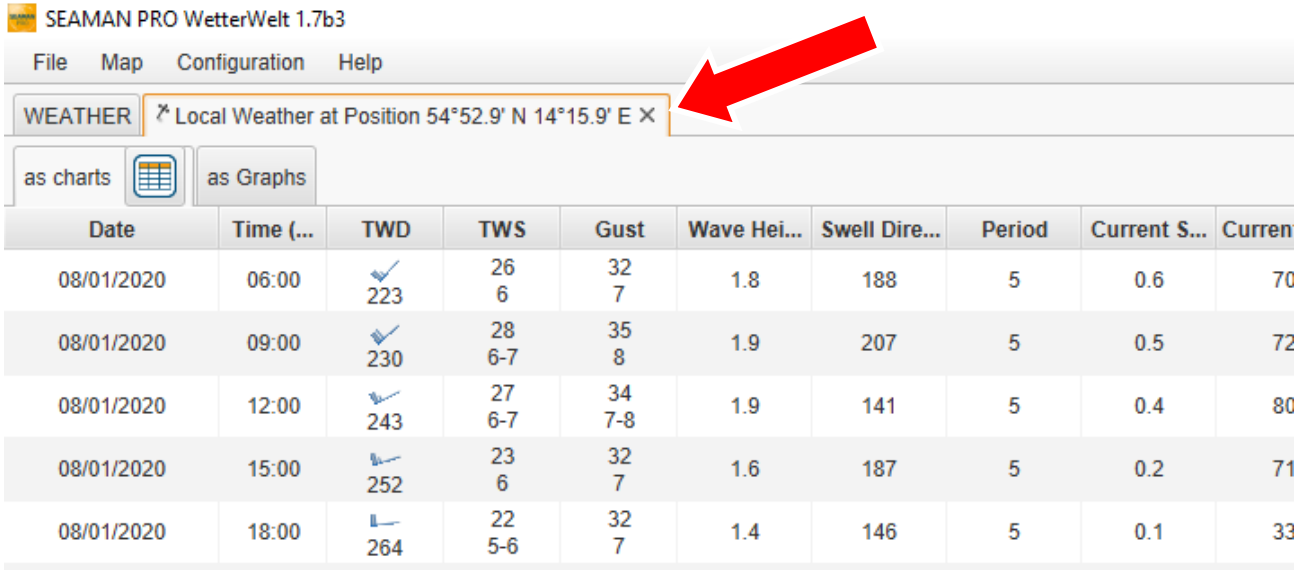
If you want to fix the point use ‚**right** cursor button > Set New Forecast Point'.



Once you set such a point you can use to look at the weather at this point over time.

The area right below (‚Local Weather Forecast Time Series at Position') allows you to look at the local weather in form of graphs (meteograms.)

You can find a detailed (printable) chart and larger meteograms fort he forecast point by clicking on the tab:



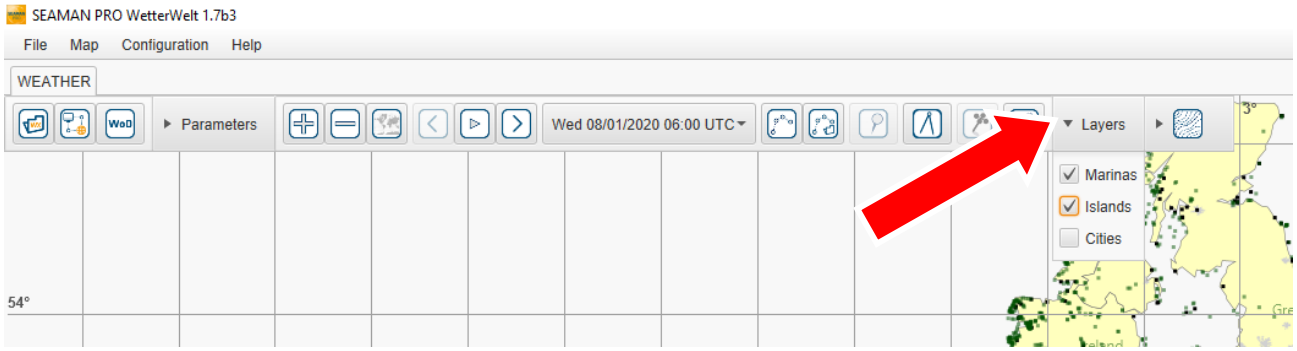
Date	Time (...	TWD	TWS	Gust	Wave Hei...	Swell Dire...	Period	Current S...	Curren
08/01/2020	06:00	223	26 6	32 7	1.8	188	5	0.6	70
08/01/2020	09:00	230	28 6-7	35 8	1.9	207	5	0.5	72
08/01/2020	12:00	243	27 6-7	34 7-8	1.9	141	5	0.4	80
08/01/2020	15:00	252	23 6	32 7	1.6	187	5	0.2	71
08/01/2020	18:00	264	22 5-6	32 7	1.4	146	5	0.1	33

The forecast point can be moved by grabbing it with the mouse (left button) and dropping it at a new position. It can be removed by clicking the right button or the icon .

7) Layers

You can switch on the following layers for better orientation:

- Marinas
- Islands
- (mid-sized) Cities

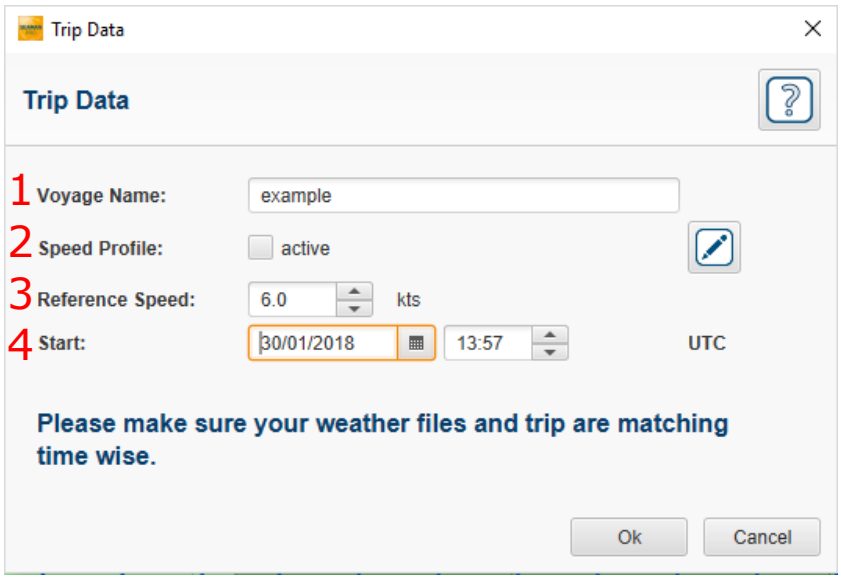


The layers are displayed as dots and additionally as names when you zoom in.

8) Trip planning

Start the trip planning by clicking on .

The following dialog will pop up:



Please enter the following:

1. Voyage name
2. Activate speed profile (if desired)*
3. Your ships speed by 4 Bft and half wind
4. Start time

Klick ‚Ok' to close the window and get back to the map where you will now set the waypoint for your trip.

*: If it's not activated the trip weather will be calculated with a constant speed (e.g. motoring.) If it's activated **SEAMAN** PRO will use an internal polar diagram. This determines the ships speed depending on the wind direction and speed (e.g. while sailing.) The reference speed defines the speed profile. You can adapt the speed profile via ‚configuration' (see also 8) .)

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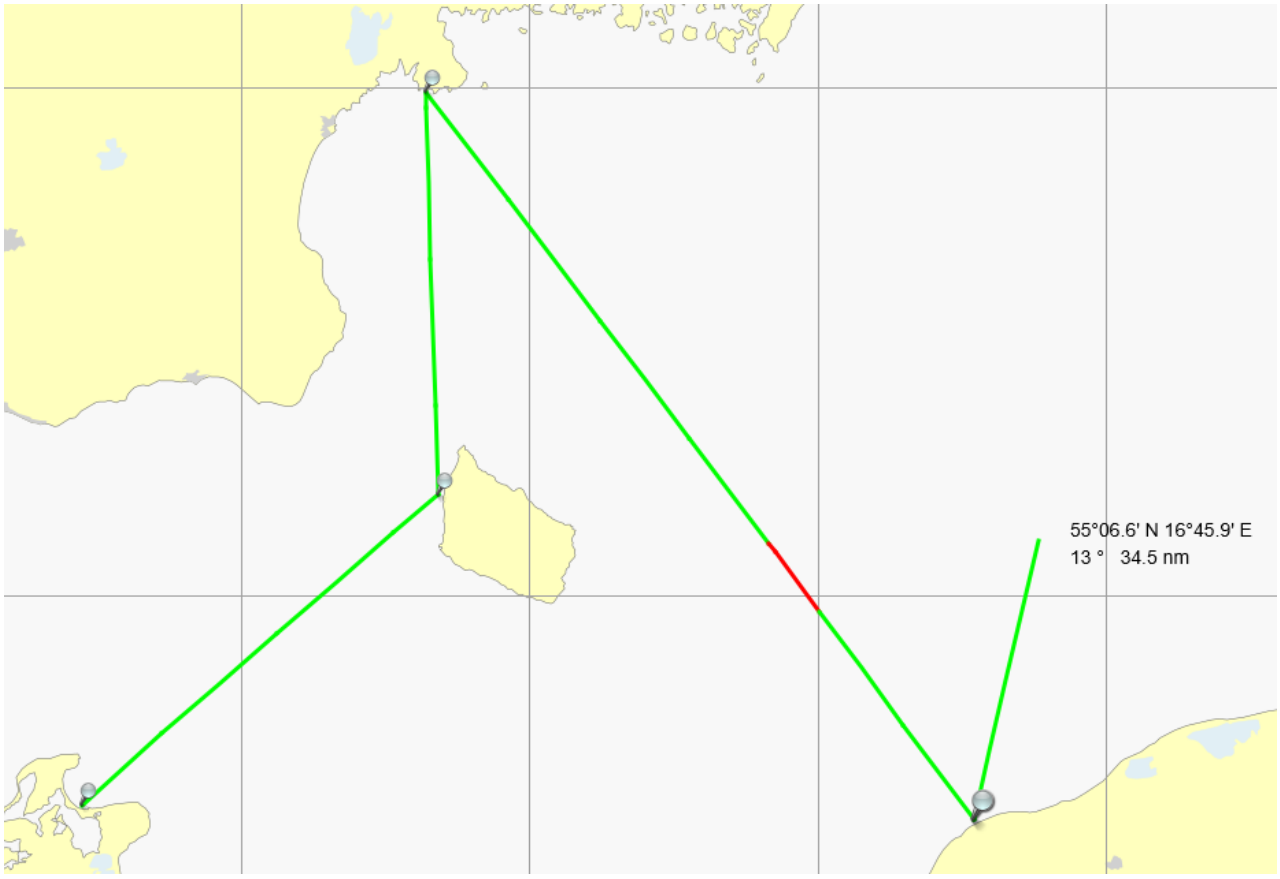

You can set as many waypoints as you like. While you do so the distance from the last point and the coordinates of the current position are displayed.

Once you set your last waypoint click on .

The first waypoint is now marked ‚Start'.

You can insert additional Waypoints by clicking on any waypoint an than on . This reactivates the waypoint setting function starting from that waypoint. Click on once you are done.

Starting with SEAMAN PRO 1.7 the trip is marked in green on the map. A red marking signals segments of the trip where you have to beat.

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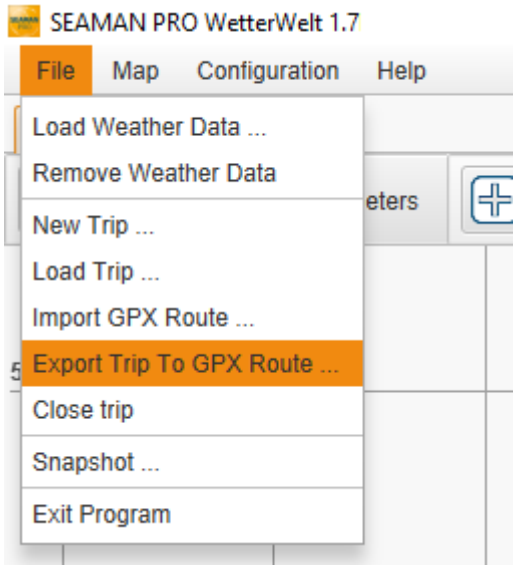
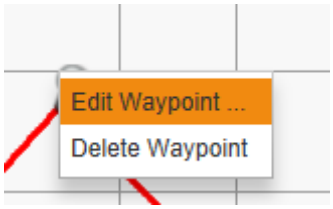


You can also use to open up a previously saved trip. Starting with SEAMAN PRO 1.7. this can also be in the GPS exchange format ".GPX".

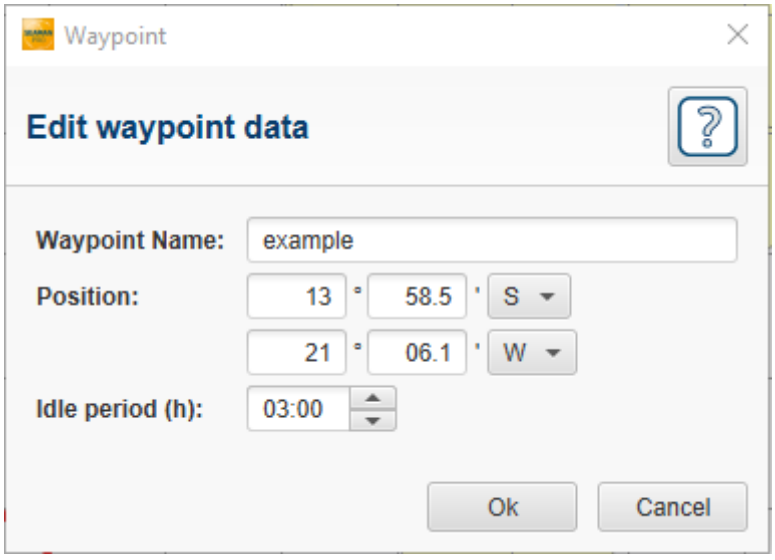
Via the menu > File you can also import as well as export trips in the .GPX format.

An new function we are introducing with **SEAMAN** PRO 1.5: idle times at waypoints.

Click your right coursor button on the desired way point and click on ‚edit waypoint'



A new window will open:



Here you may name the waypoint and choose the duration of the idle time.

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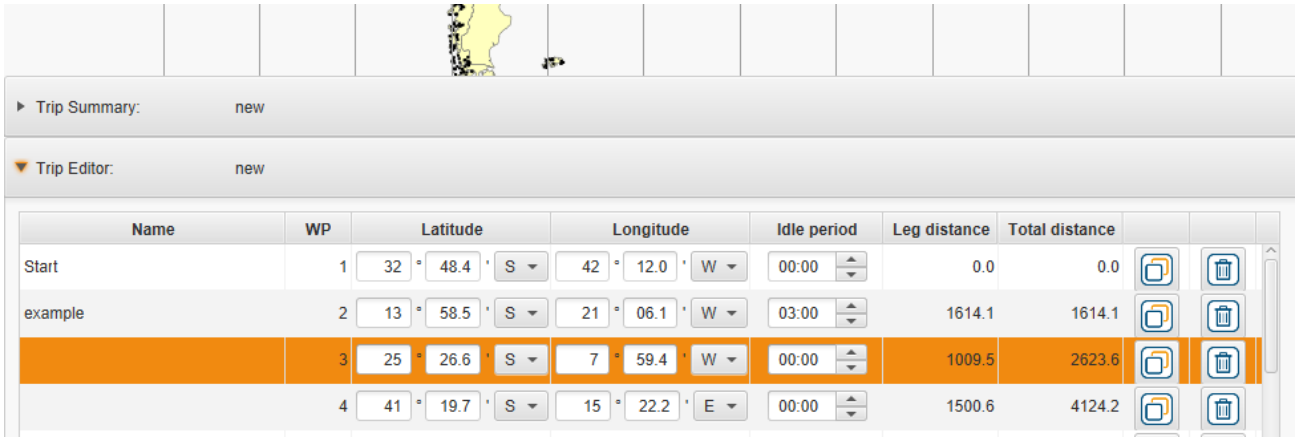
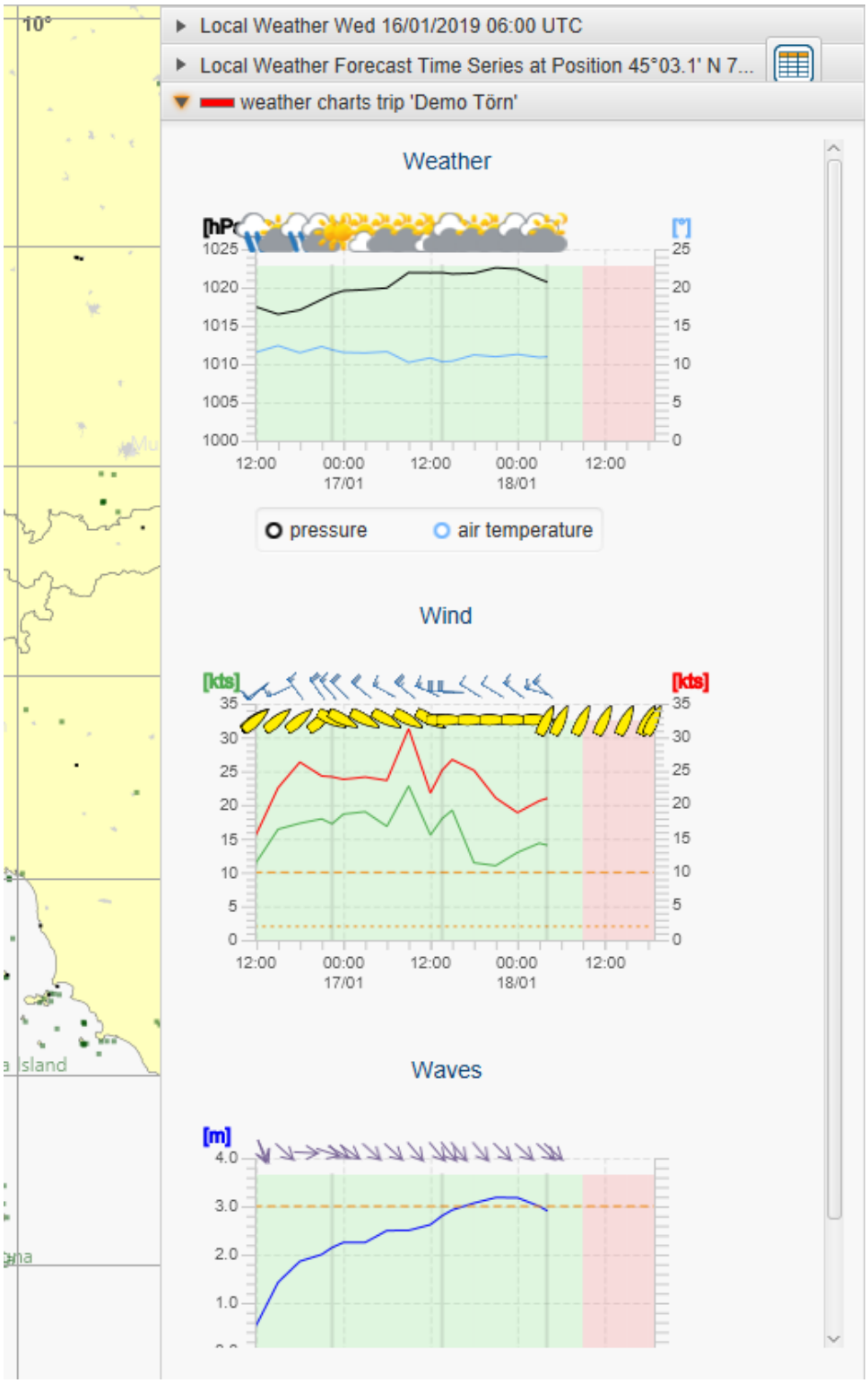
You can recognize waypoints with idle times by the anchor symbol on the map and in the report.

Changes to your trip and the waypoints can also be made in the trip editor in the bottom column of your screen.



a) Trip weather overview (meteograms)



Click on ‚weather charts' in the upper right hand corner to see the meteograms for your trip.

Singe waypoints can be activated using the courser and moved around (keep holding down the left cursor button.)

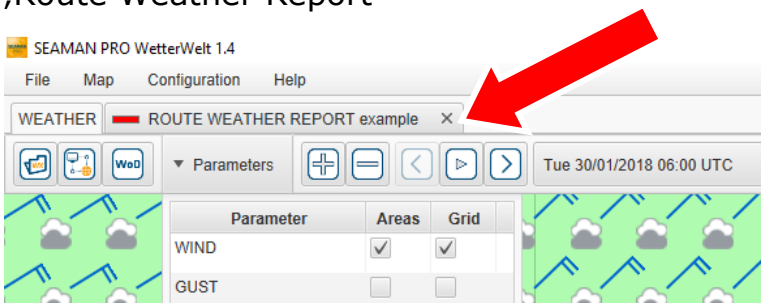
Every change to the trip is <u>instantly</u> visible in the weather charts.

This helps you quickly find a course that has the weather conditions you want.

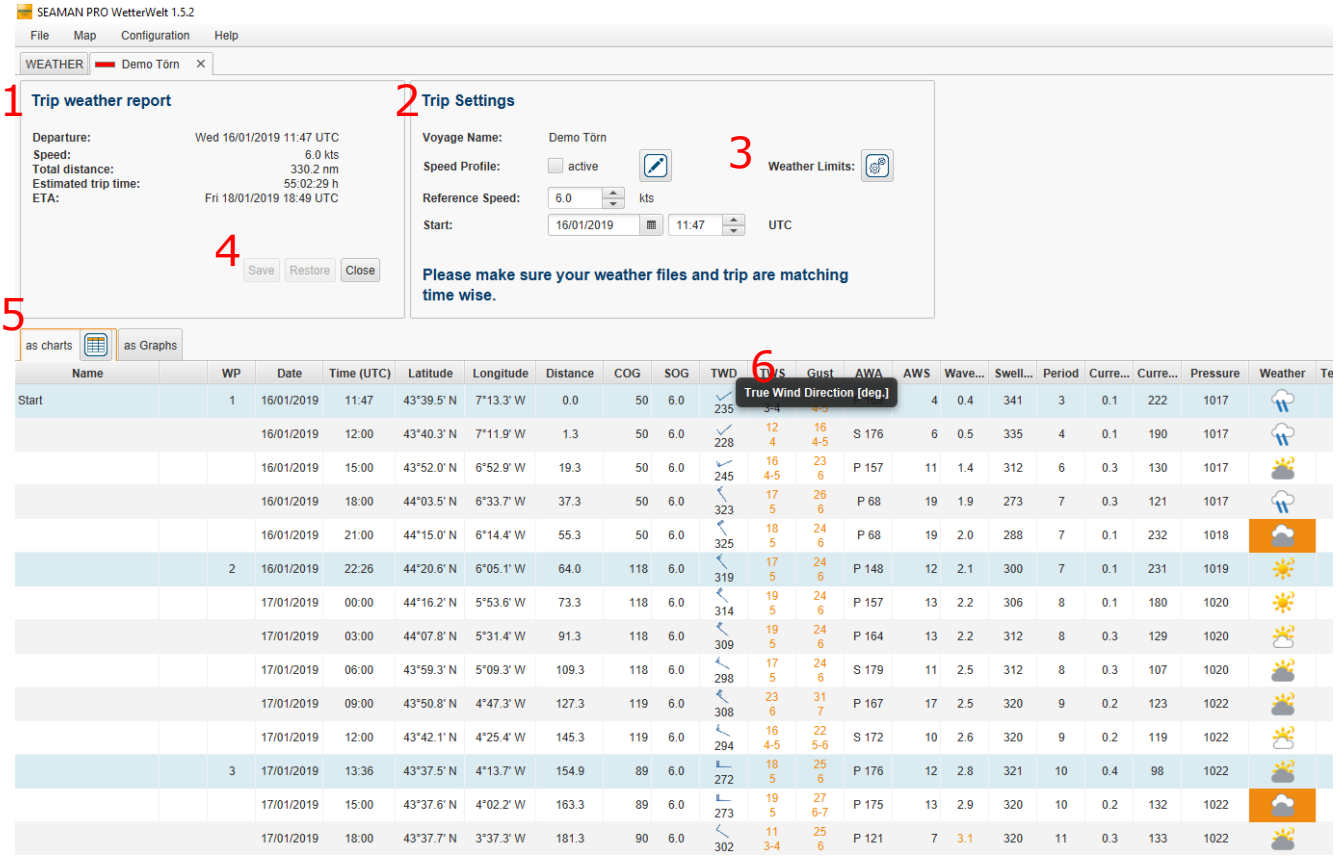
It can also happen that no weather window appears, but you might be able to find one by changing the start time for the trip.

b) Tip weather details (table)

Much more detailed information regarding the trip can be found under the tab ‚Route Weather Report'



Here you can:



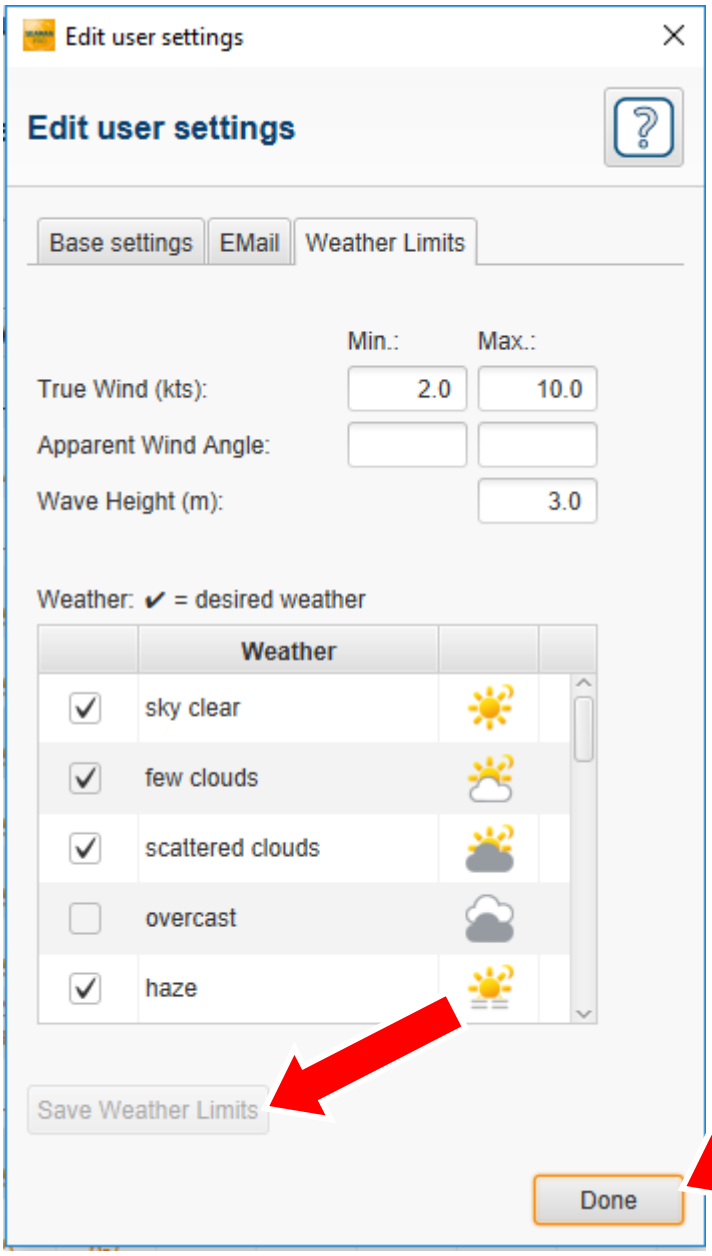
Name	WP	Date	Time (UTC)	Latitude	Longitude	Distance	COG	SOG	TWD	TWS	Gust	AWA	AWS	Wave...	Swell...	Period	Curre...	Curre...	Pressure	Weather
Start	1	16/01/2019	11:47	43°39.5' N	7°13.3' W	0.0	50	6.0	235	3-4	4-5		4	0.4	341	3	0.1	222	1017	
		16/01/2019	12:00	43°40.3' N	7°11.9' W	1.3	50	6.0	228	12 4	16 4-5	S 176	6	0.5	335	4	0.1	190	1017	
		16/01/2019	15:00	43°52.0' N	6°52.9' W	19.3	50	6.0	245	16 4-5	23 6	P 157	11	1.4	312	6	0.3	130	1017	
		16/01/2019	18:00	44°03.5' N	6°33.7' W	37.3	50	6.0	323	17 5	26 6	P 68	19	1.9	273	7	0.3	121	1017	
		16/01/2019	21:00	44°15.0' N	6°14.4' W	55.3	50	6.0	325	18 5	24 6	P 68	19	2.0	288	7	0.1	232	1018	
	2	16/01/2019	22:26	44°20.6' N	6°05.1' W	64.0	118	6.0	319	17 5	24 6	P 148	12	2.1	300	7	0.1	231	1019	
		17/01/2019	00:00	44°16.2' N	5°53.6' W	73.3	118	6.0	314	19 5	24 6	P 157	13	2.2	306	8	0.1	180	1020	
		17/01/2019	03:00	44°07.8' N	5°31.4' W	91.3	118	6.0	309	19 5	24 6	P 164	13	2.2	312	8	0.3	129	1020	
		17/01/2019	06:00	43°59.3' N	5°09.3' W	109.3	118	6.0	298	17 5	24 6	S 179	11	2.5	312	8	0.3	107	1020	
		17/01/2019	09:00	43°50.8' N	4°47.3' W	127.3	119	6.0	308	23 6	31 7	P 167	17	2.5	320	9	0.2	123	1022	
		17/01/2019	12:00	43°42.1' N	4°25.4' W	145.3	119	6.0	294	16 4-5	22 5-6	S 172	10	2.6	320	9	0.2	119	1022	
	3	17/01/2019	13:36	43°37.5' N	4°13.7' W	154.9	89	6.0	272	18 5	25 6	P 176	12	2.8	321	10	0.4	98	1022	
		17/01/2019	15:00	43°37.6' N	4°02.2' W	163.3	89	6.0	273	19 5	27 6-7	P 175	13	2.9	320	10	0.2	132	1022	
		17/01/2019	18:00	43°37.7' N	3°37.3' W	181.3	90	6.0	302	11 3-4	25 6	P 121	7	3.1	320	11	0.3	133	1022	

1. See an overview of the trip.
2. Chance all (previously set) trip settings.
3. Set personal weather limits.
4. Save the trip.

5. View all details of the trip as charts or graphs or personal report (see next picture.)
6. Get detailed information about the headers by hovering with the cursor.

To make it even faster to plan a trip with your desired weather you can set personal weather limits.

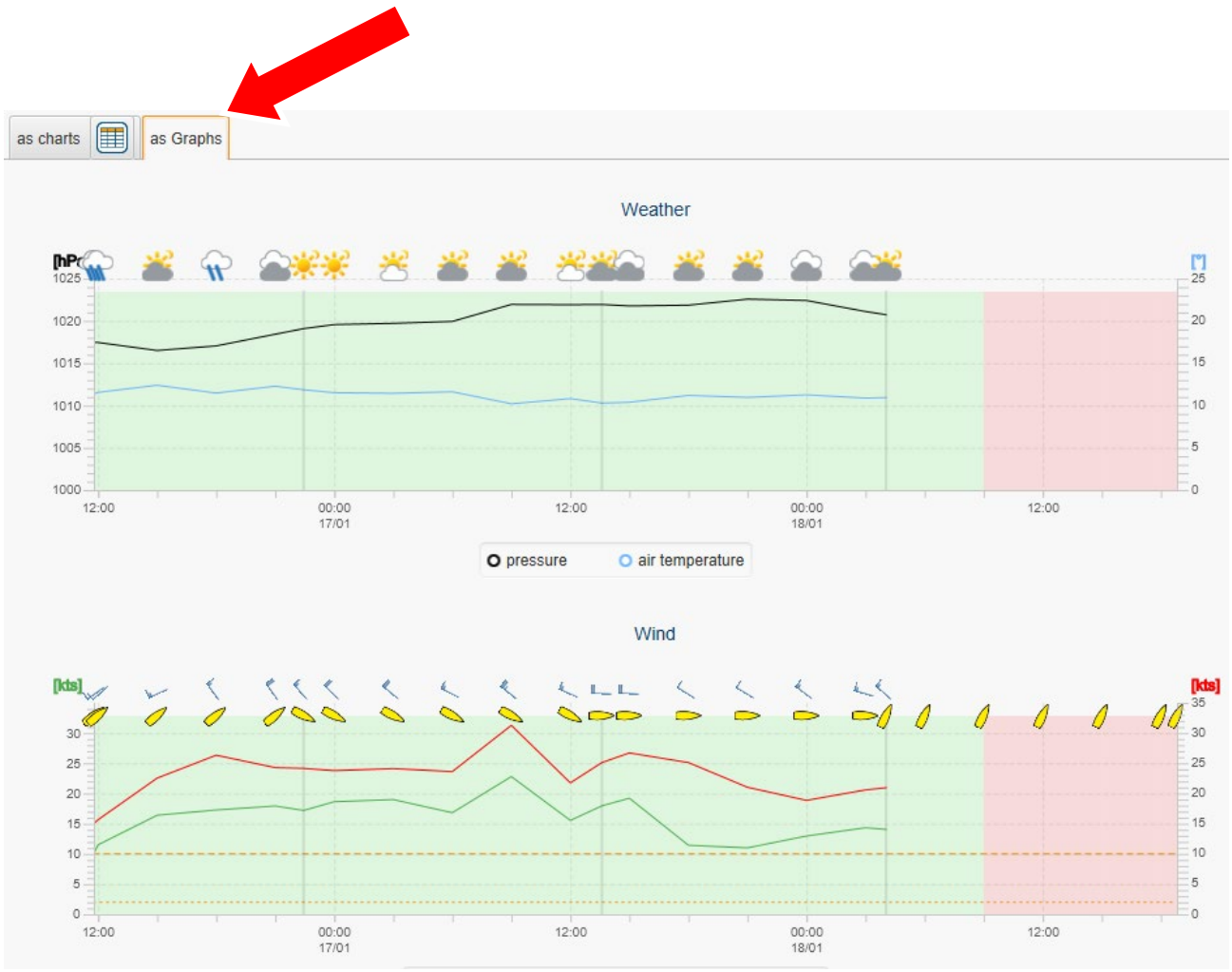
To do so click the icon.



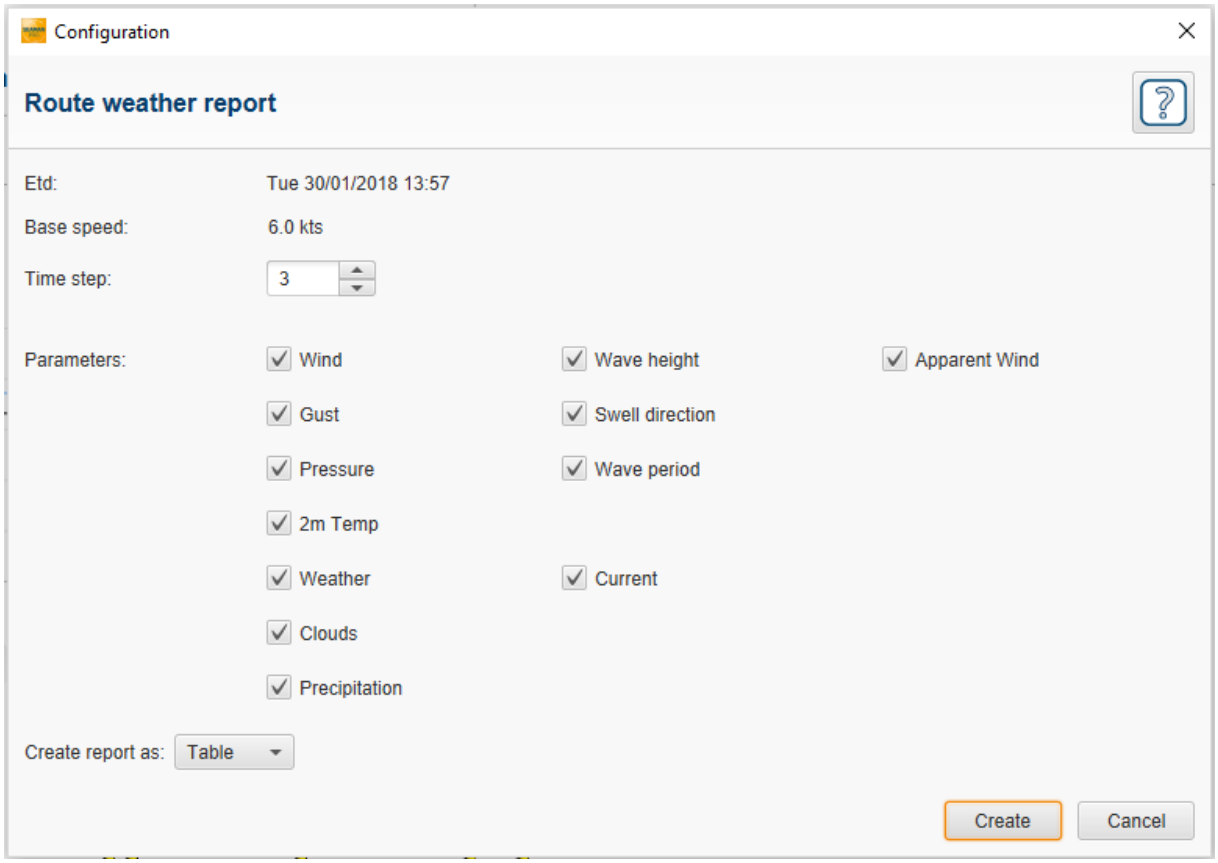
Put in you personal limit values and click 'Save Weather Limits' and then 'Done'.

Weather which is outside of those limits will be marked orange in the trip weather report.

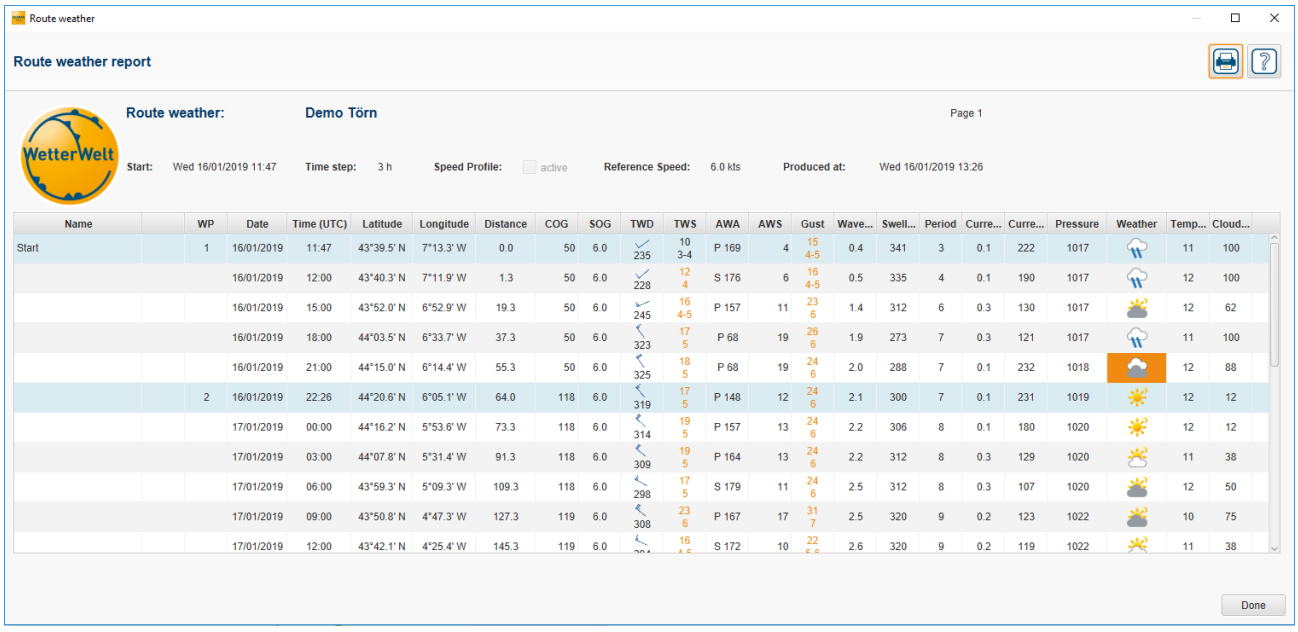
So no orange = no undesirable weather.


as charts
as Graphs
Weather
[hP
1025
1020
1015
1010
1005
1000
[°]
25
20
15
10
5
0
12:00
00:00
17/01
12:00
00:00
18/01
12:00
pressure
air temperature
Wind
[kts]
[kts]
30
25
20
15
10
5
0
35

By clicking you can generate your individual report.



Pick the time steps and parameters and click ‚Create'.



You can print it by clicking .

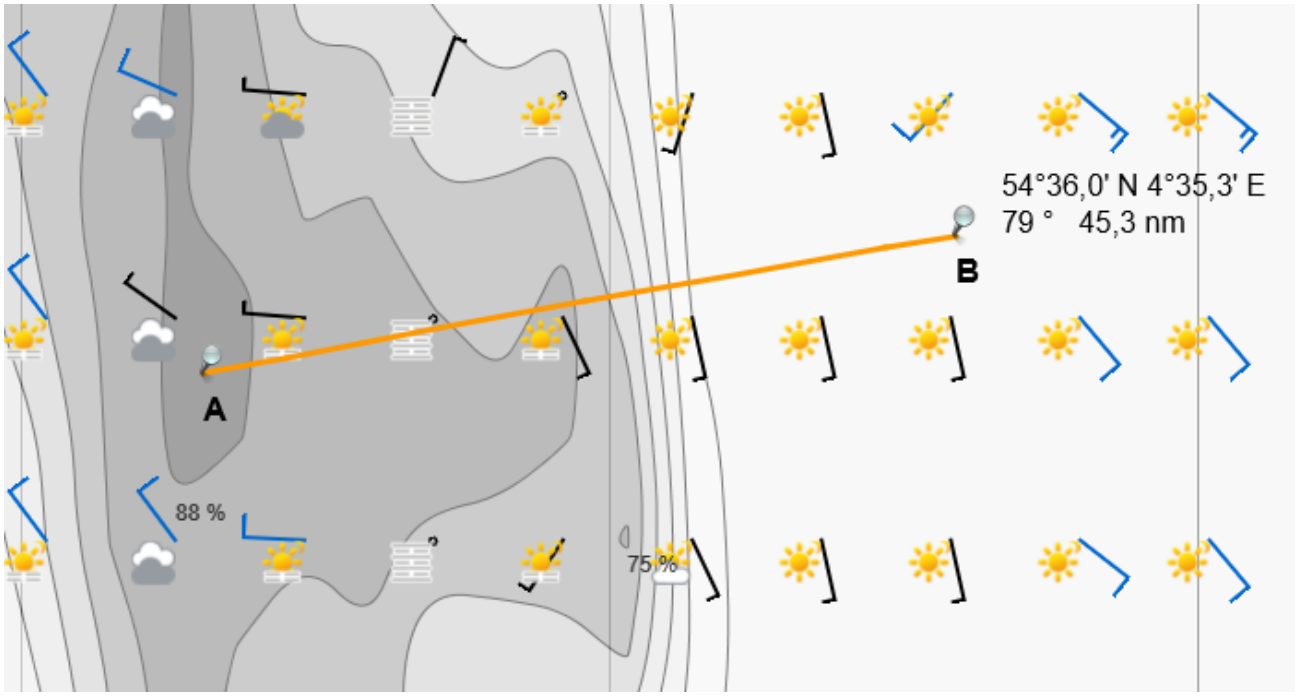
9) Measuring Divider

With **SEAMAN** PRO 1.5 we are introducing the measuring divider as a new tool to easily make out distances (for example that to the center of deep pressure zone).

Clicking on the Icon activates the tool. Now (similar to the trip weather) you may click on two points.

The distance and direction from point A to point B is constantly shown. An orange line also marks the distance.

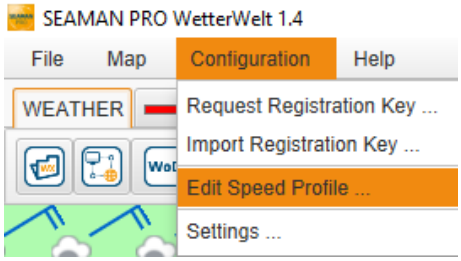
Point A and B can be activated by clicking on them. An activated point can be moved. Next to point B you can directly see the new distance and direction.



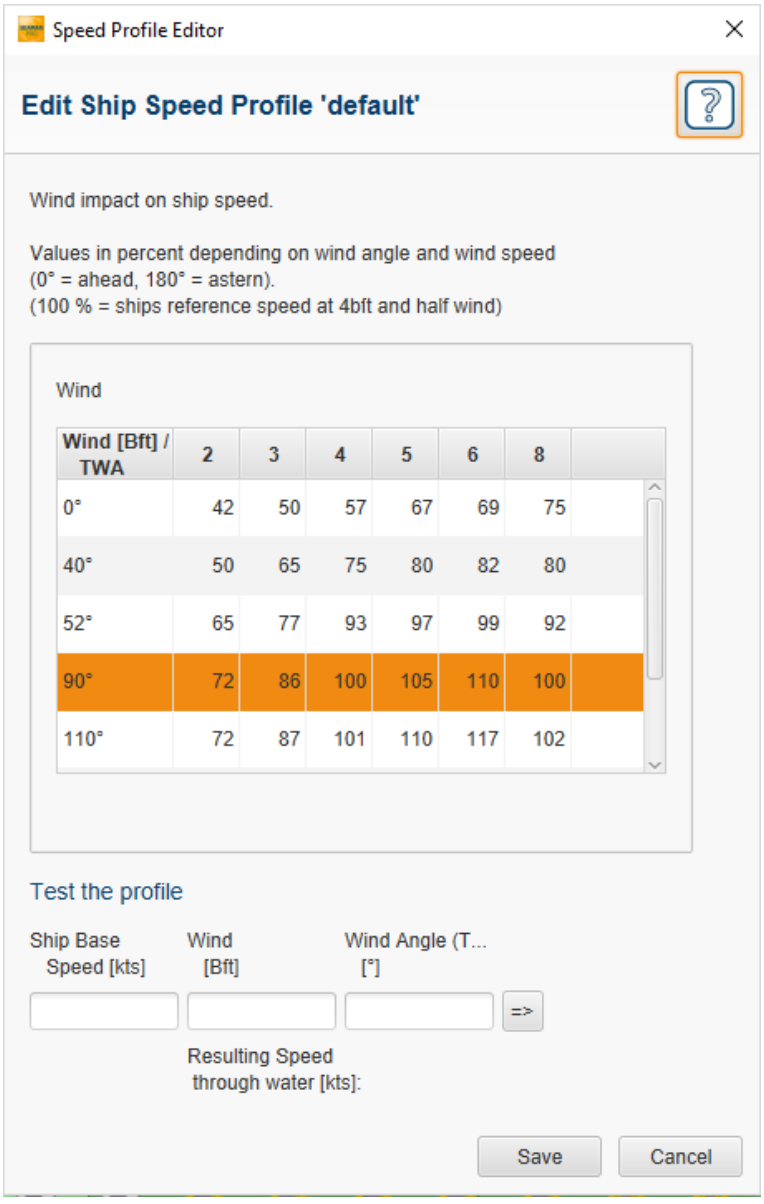
The marked distance remains on the map untill you delete it either by clicking on the icon or by clicking your right mouse button above the map and choosing 'remove divider'.

10) Editing the speed profile

You can adapt the speed profile to your boat via Menu > Configuration > Edit Speed Profile.



Double click in the line and then the field. Insert your value. Klick on ‚Save' once you are done. Now you have an individual speed profile matching our ship and your experiences.



11) Advanced options

Via (or Menu > Configuration > Settings) you reach „other"

Here you can adapt the design and functionsality of your **SEAMAN** PRO:

- Change the color of the land mass on the map, yellow or grey
- Chose the thickness oft he lines for wind and current flow
- Set the default leg type: great circle or rhumbline.

Once you selected your preferences please click "save" and than "done".

12) Legend

Weather symbols

	sunny		sunny with some clouds		sunny with clouds
	overcast		hazy / early morning fog		fog
	a little rain		rain		alternating clouds and rain showers
	Alternating clouds and snow showers		a little snow		strong rain
	rain and snow		snow		alternating clouds and thunderstorms
	thunderstorm		heavy thunderstorms with snow/ sleet/ hail		

Wind

in Bft		kn	m/s	km/h
0		< 1	0 - 0,2	< 1
1		1 - 3	0,3 - 1,5	1 - 5
2		4 - 6	1,6 - 3,3	6 - 11
3		7 - 10	3,4 - 5,4	12 - 19
4		11 -15	5,5 - 7,9	20 - 28
5		16 - 21	8,0 - 10,7	29 - 38
6		22 - 27	10,8 - 13,8	39 - 49
7		28 - 33	13,9 - 17,1	50 - 61
8		34 - 40	17,2 - 20,7	62 - 74
9		41 - 47	20,8 - 24,4	75 - 88
10		48 - 55	24,5 - 28,4	89 - 102
11		56 - 63	28,5 - 32,6	103 - 117
12		> 63	> 32,6	> 117

current

	0,1 kn		0,2 – 0,5 kn		0,6 – 1 kn
	1,1 – 1,5 kn		1,6 – 2 kn		> 2,05 kn