



SEAMAN PRO

by WetterWelt

Short manual - content

1) Introduction.....	2
2) Installation.....	3
3) Request and import registration key.....	7
4) User settings & switching to English.....	10
5) Loading weather	11
a) Catalog	11
b) WoD – Weather on Demand	14
c) Weather display	19
6) Local weather.....	20
7) Trip planning	22
a) Trip weather overview (meteograms).....	26
b) Trip weather details (table)	27
8) Measuring Divider	30
9) Editing the speed profile.....	31
10) Legend.....	32

1) Introduction

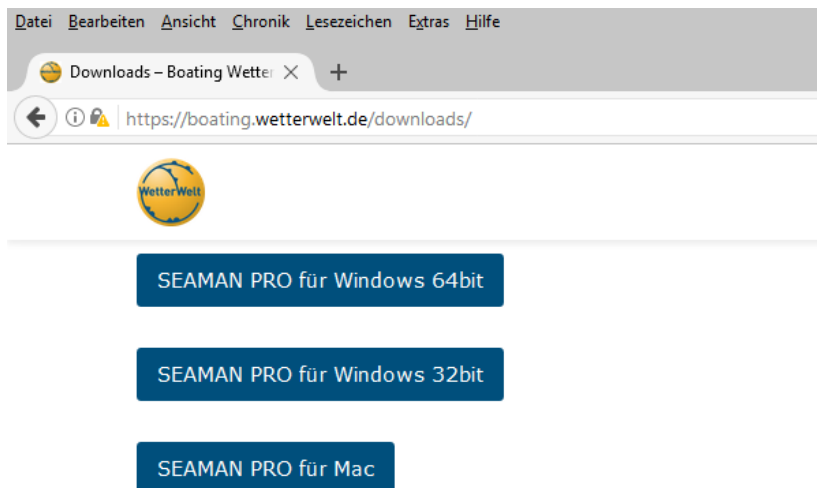
Even though the software is very easy and intuitive to use we would like to take this opportunity to briefly explain the main functions of **SEAMAN PRO**.

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**.

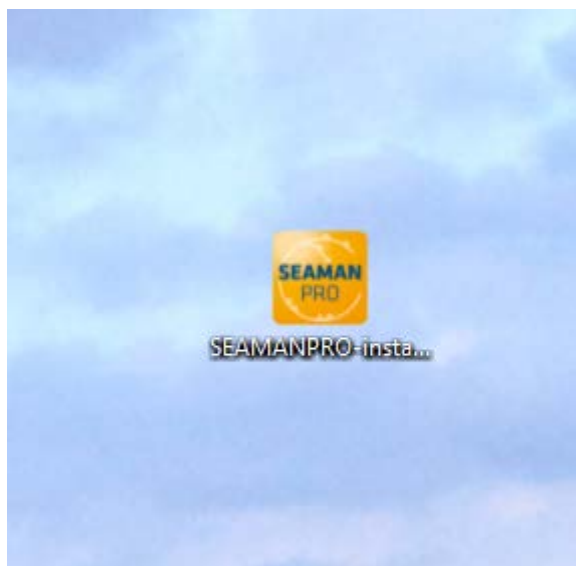
Our tool tips will also help you out: just hover with your curser over things you wish to know more about and, in many cases a short window will open (after about two seconds) and give a more detailed explanation.

2) Installation

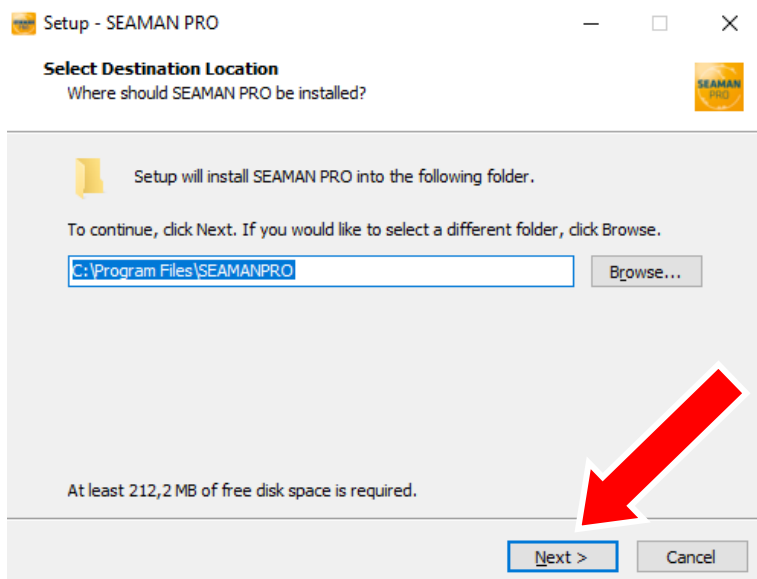
Download the installer from boating.wetterwelt.de/downloads/



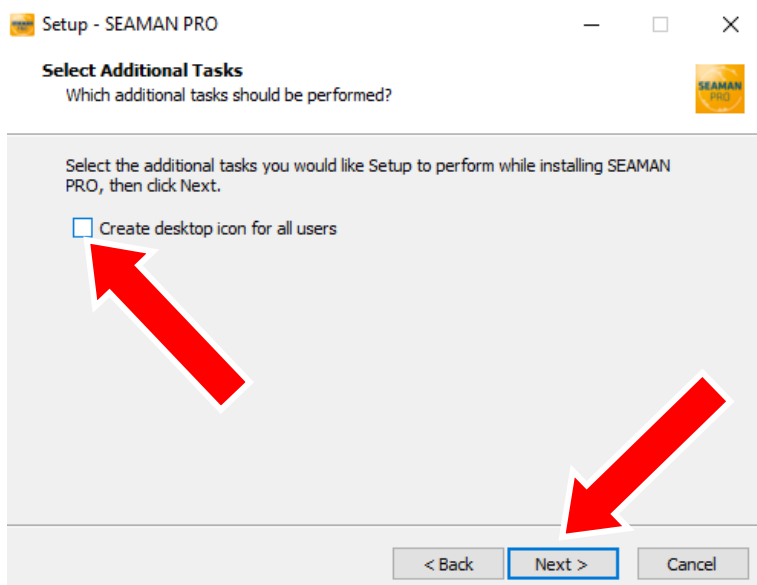
Open the installer:



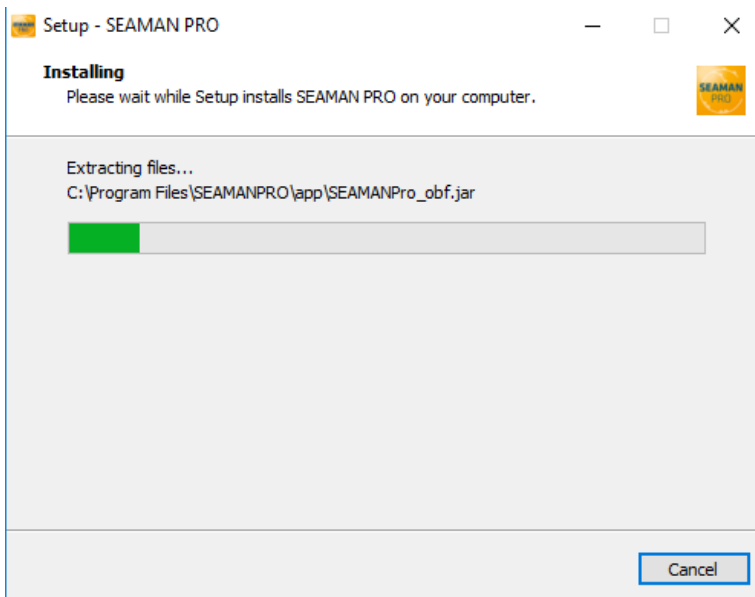
Confirm the storage location by clicking 'Next':



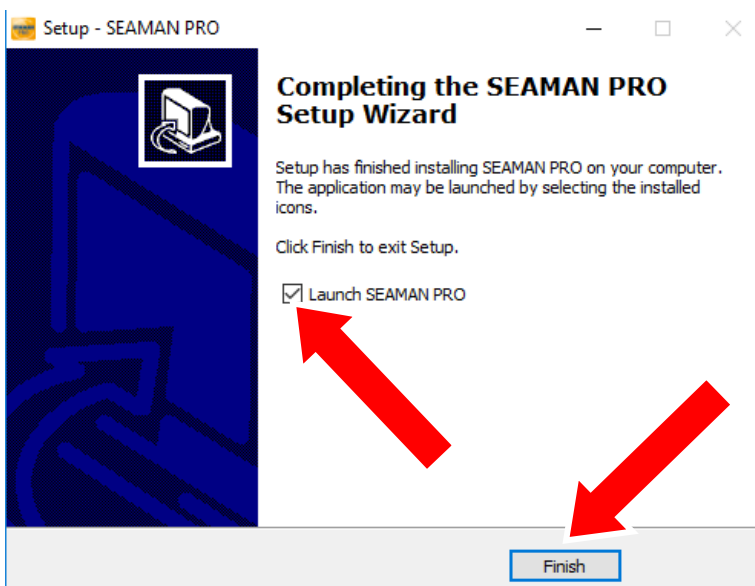
Activate the box in the upper left if you wish to have a link-up to your desktop (we recommend this). Once again confirm by clicking 'Next':



The installation starts now.



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



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

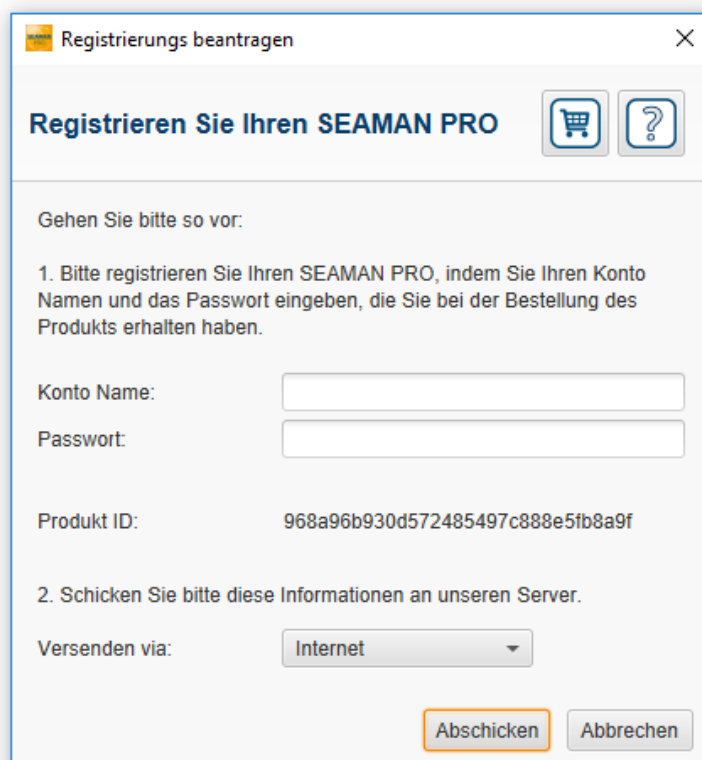



1. Start **SEAMAN** PRO as a DEMO-Version to test all functions
or
2. Continue with the registration.

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'.

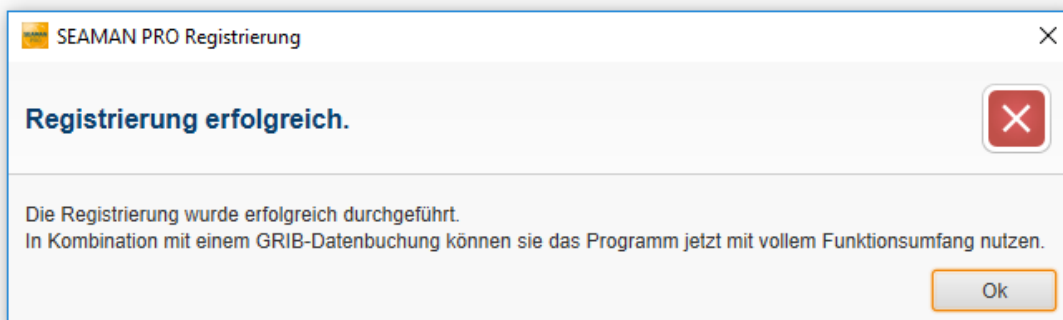
Alternately you can also get to this dialog via 'Menu > Configuration > Request registration key'.




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**.



Produkt Id:	XXXXXXXXXXXXXXXXXXXXXXXXXXXX
Kunden Id:	40
Kunden Name:	XXXXXXXXXXXX
Modus:	SEAMAN_PRO
Gültig ab:	XXXXXXXXXX
Gültig bis:	XXXXXXXXXX
Max. Bezüge Abo:	1
Max. Zahl Abfragen:	2
Max. Dateigröße:	5000


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

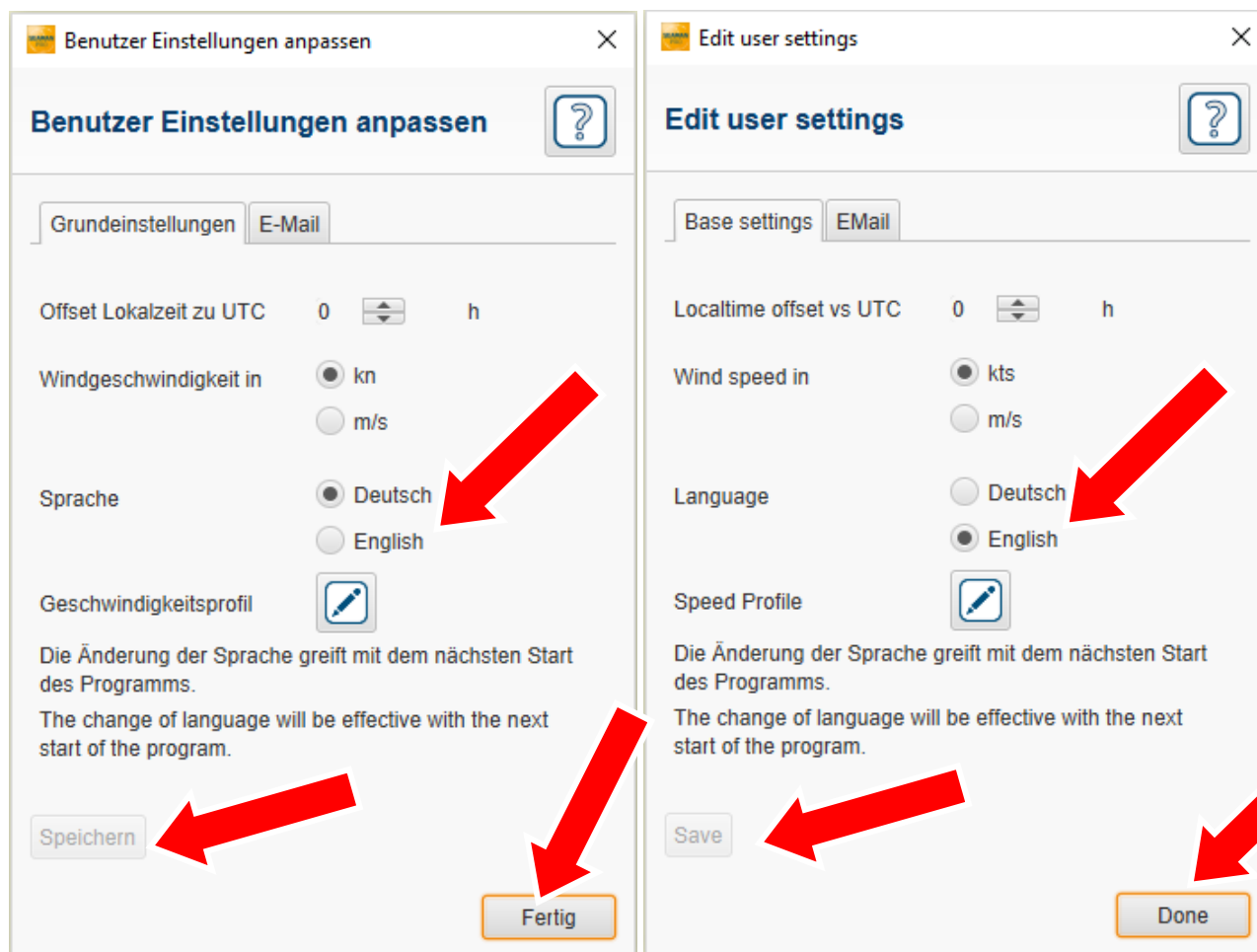
You will receive a file which you can import via ‚Menü /Menu > Konfiguration / Configuration > Registrierungsschlüssel importieren / Import Registration Key‘ or per drag&drop into the program.

*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.

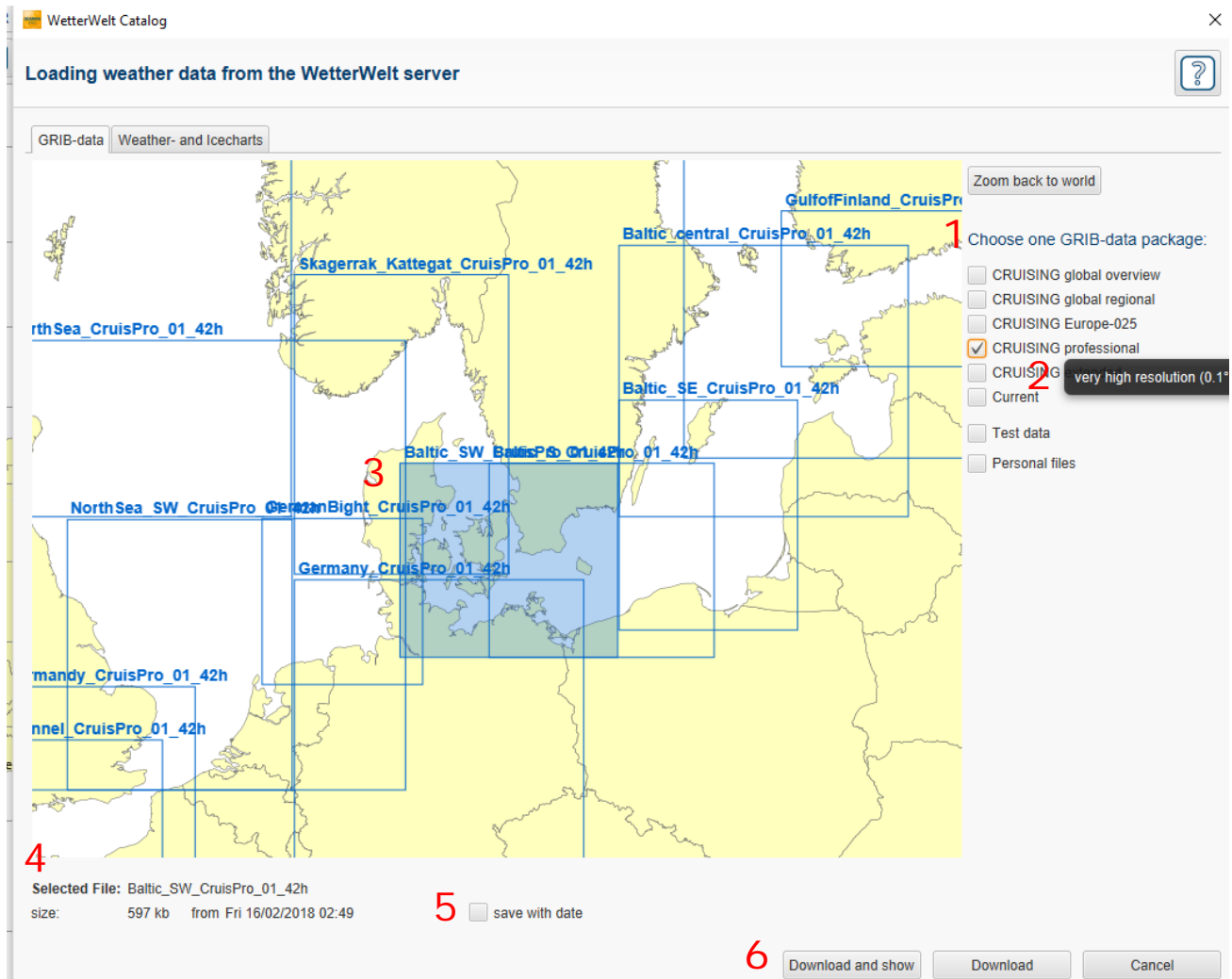
You can also change the language setting to English (click ‚Speichern / Save‘ and ‚Fertig / Done‘). This change will be effective with the next start of the program!

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).



The screenshot shows the 'WetterWelt Catalog' window. The title bar says 'WetterWelt Catalog'. Below it is a subtitle 'Loading weather data from the WetterWelt server'. There are two tabs: 'GRIB-data' and 'Weather- and Icecharts'. The main area is a map of Europe with several blue rectangular boxes representing GRIB data packages. The packages are labeled: 'NorthSea_CruisPro_01_42h', 'Baltic_SW_CruisPro_01_42h', 'Baltic_SE_CruisPro_01_42h', 'Baltic_Central_CruisPro_01_42h', 'Gulf of Finland_CruisPro_01_42h', 'Skagerrak_Kattegat_CruisPro_01_42h', 'NorthSea_SW_CruisPro_01_42h', 'GermanBight_CruisPro_01_42h', 'Germany_CruisPro_01_42h', 'Mandary_CruisPro_01_42h', and 'Finland_CruisPro_01_42h'. The 'Baltic_SW_CruisPro_01_42h' package is highlighted in green. On the right side, there is a panel titled 'Choose one GRIB-data package:'. It contains a list of packages with checkboxes: 'CRUISING global overview', 'CRUISING global regional', 'CRUISING Europe-025', 'CRUISING professional' (checked), 'CRUISING very high resolution (0.1°)', 'Current', 'Test data', and 'Personal files'. At the bottom of the window, there is a status bar showing 'Selected File: Baltic_SW_CruisPro_01_42h', 'size: 597 kb', 'from Fri 16/02/2018 02:49', and a checkbox 'save with date'. There are three buttons at the bottom right: 'Download and show', 'Download', and 'Cancel'.

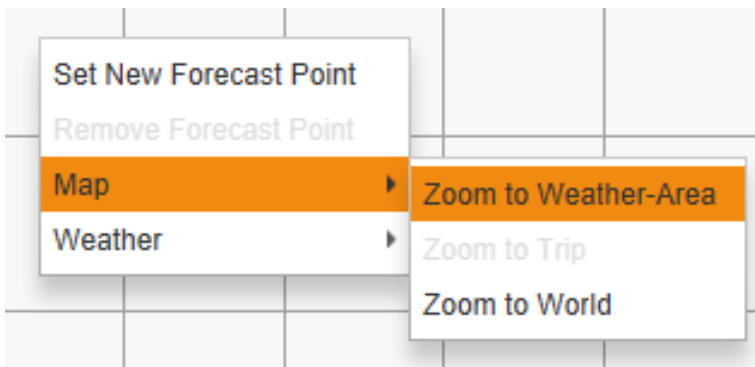
Here you will find:

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.)

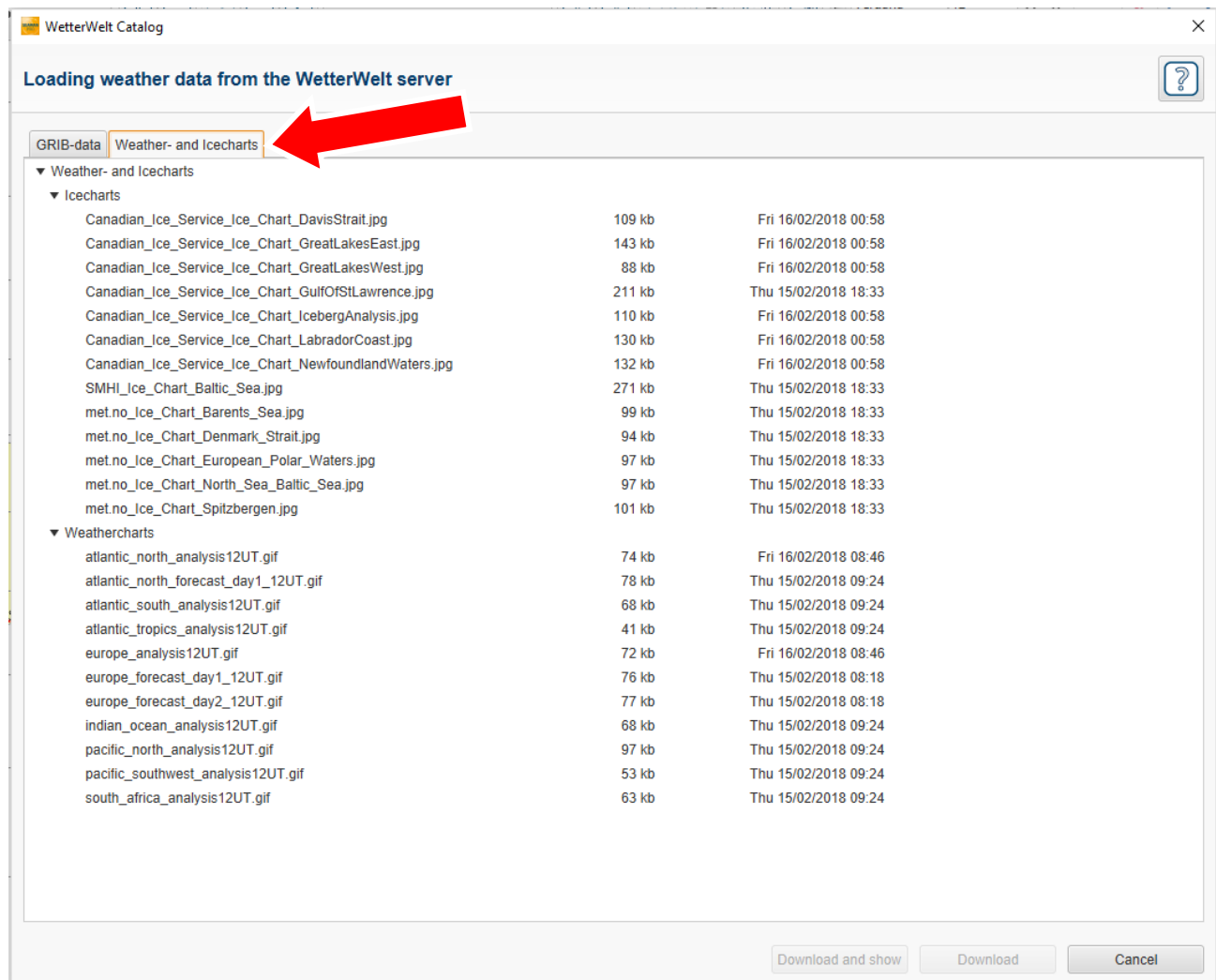
4. All information regarding the selected file.
5. The option to save the file with a date.
6. The option to download the package, or download and display it right away.

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:




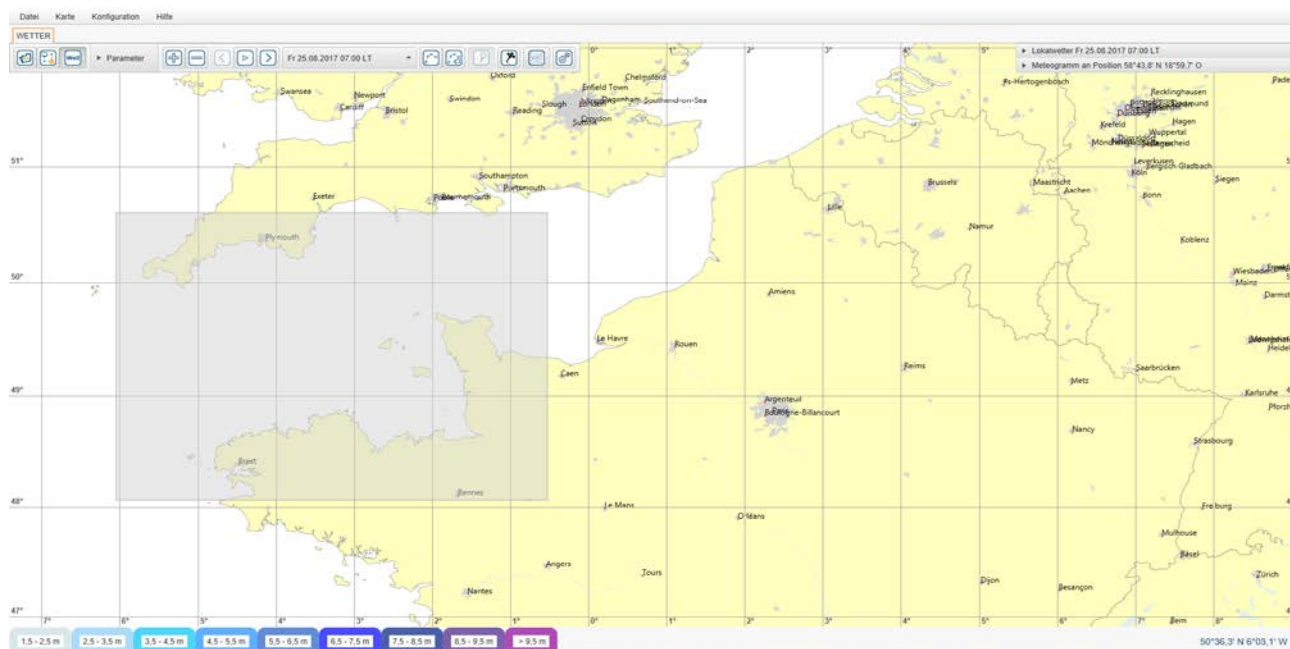
b) WoD – Weather on Demand



By clicking on the  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  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:

Weather On Demand

Define your individual GRIB-data.
Choose single request or a subscription for our automatic email service.

Max. allowed file size:

Actual file size:

North limit

West limit

1

5000

2

287 kb

3

58 ° 03.1 ' N

2 ° 38.0 ' W

4

SSB

Sat

South limit

East limit

51 ° 18.5 ' N

10 ° 55.6 ' E

5

Parameters:

Wind

Gust

Pressure

2m Temp

Weather

Clouds

Precipitation

Wave height

Swell direction

Wave period

Current

6

Grid Resolution [deg]

Forecast Period [h]

Time steps [h]

0.25

120

3 / 6

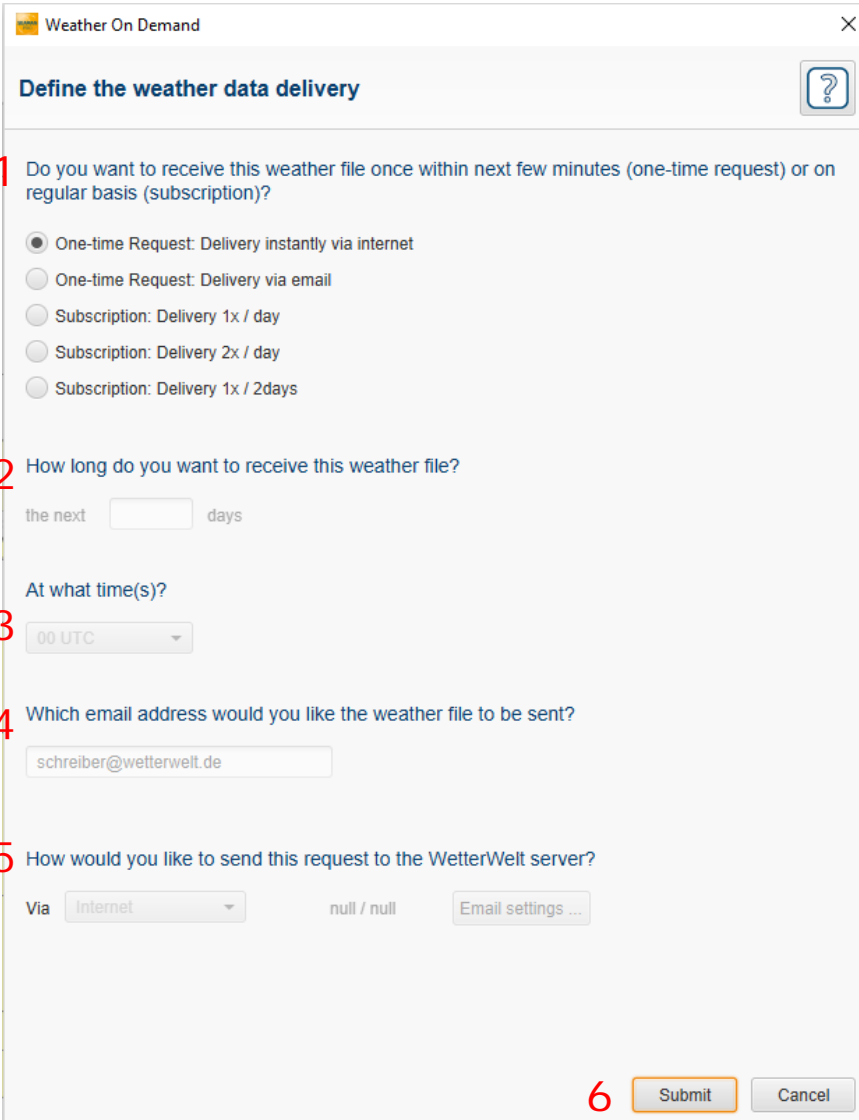
Continue
Cancel

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:



The dialog box is titled "Weather On Demand" and "Define the weather data delivery". It contains six numbered steps:

- 1 Do you want to receive this weather file once within next few minutes (one-time request) or on regular basis (subscription)?
☒ One-time Request: Delivery instantly via internet
☐ One-time Request: Delivery via email
☐ Subscription: Delivery 1x / day
☐ Subscription: Delivery 2x / day
☐ Subscription: Delivery 1x / 2days
- 2 How long do you want to receive this weather file?
the next days
- 3 At what time(s)?
- 4 Which email address would you like the weather file to be sent?
- 5 How would you like to send this request to the WetterWelt server?
Via null / null
- 6

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 an 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 your 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).

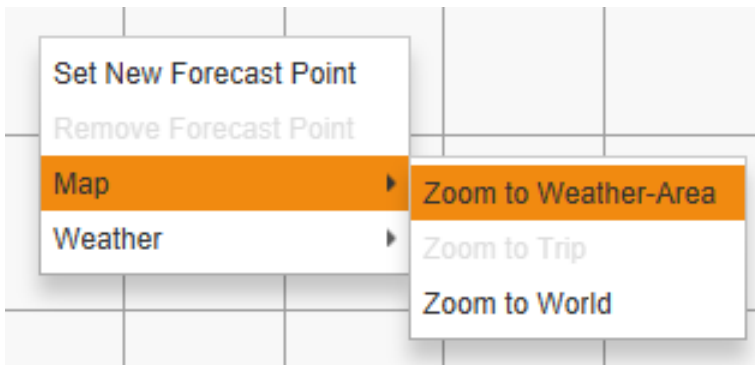
Our server compiles your GRIB file automatically and sends it to you right away (single request) / at the time you specified (subscription).

*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.*








A weather file that you saved to your device can be loaded via the icon (or via drag&drop).

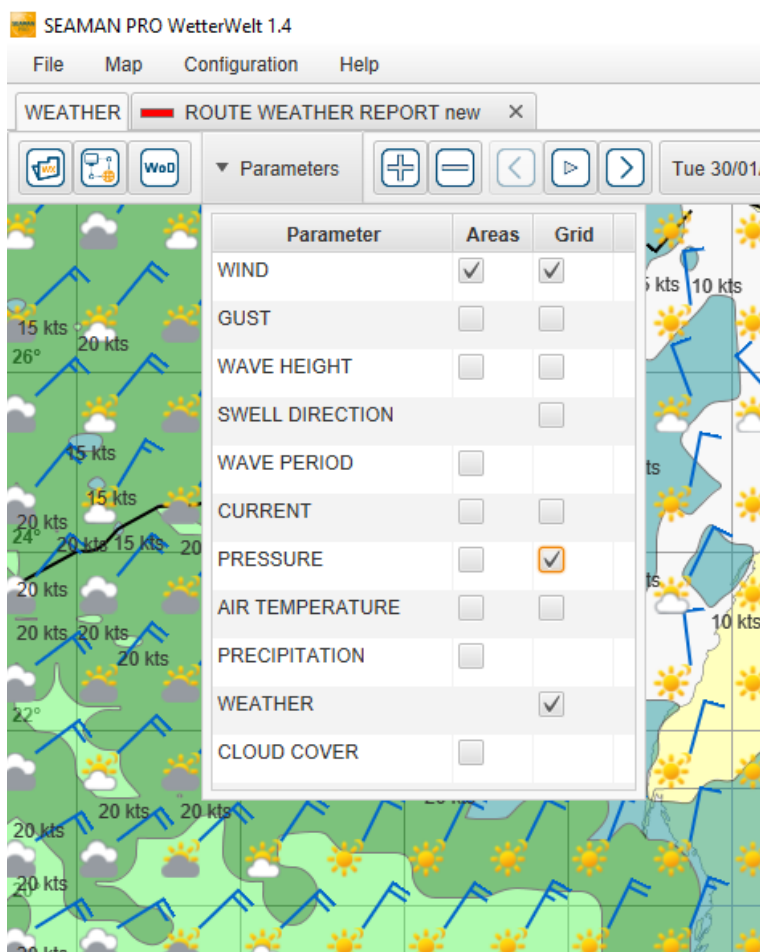
You might have to click on right cursor button > Map > Zoom to Weather-Area> to see it displayed.



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:

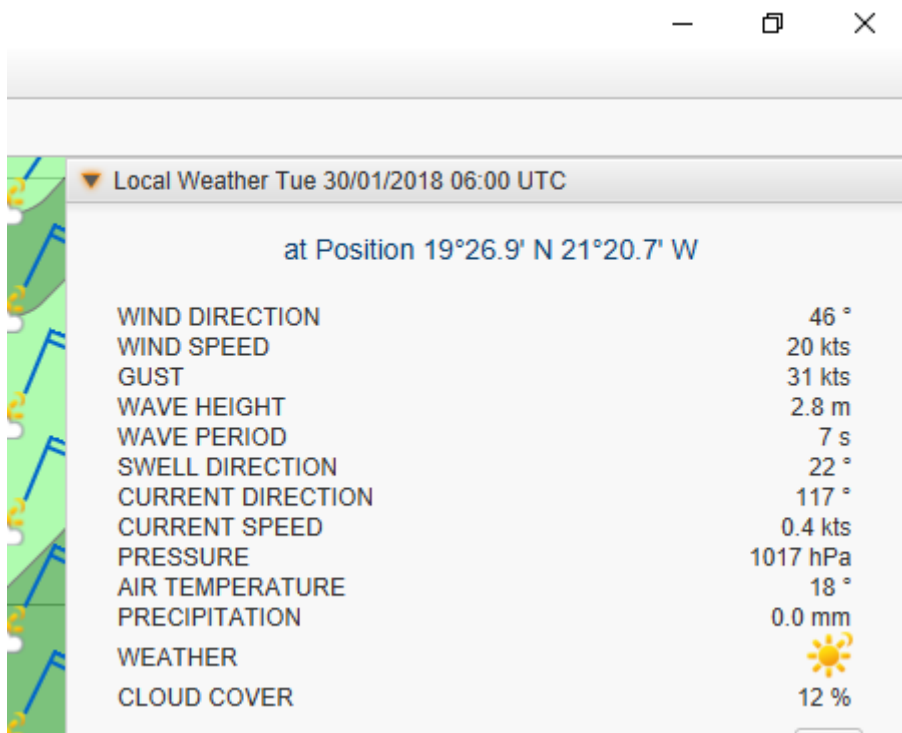
- ‚Parameters‘ – is at least one box activated.
- Are you looking at the right area for the GRIB file (,right cursor button > Map > Zoom to Weather-Area ‘)
- Did you maybe chose only an area and the values for the parameter are too low to be shown (e.g. gust is only displayed as an area upward of 25kn.)

6) Local weather

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

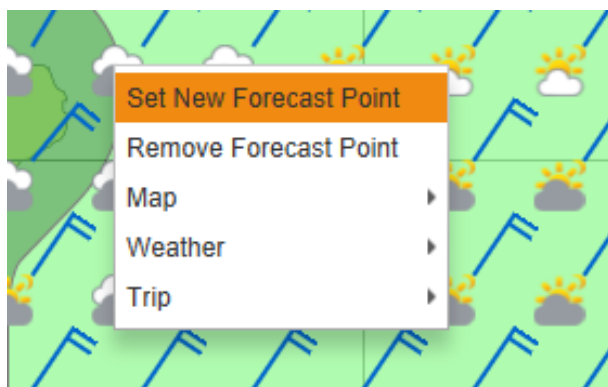


Click on this area and the following window unfolds:



If you move 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.)

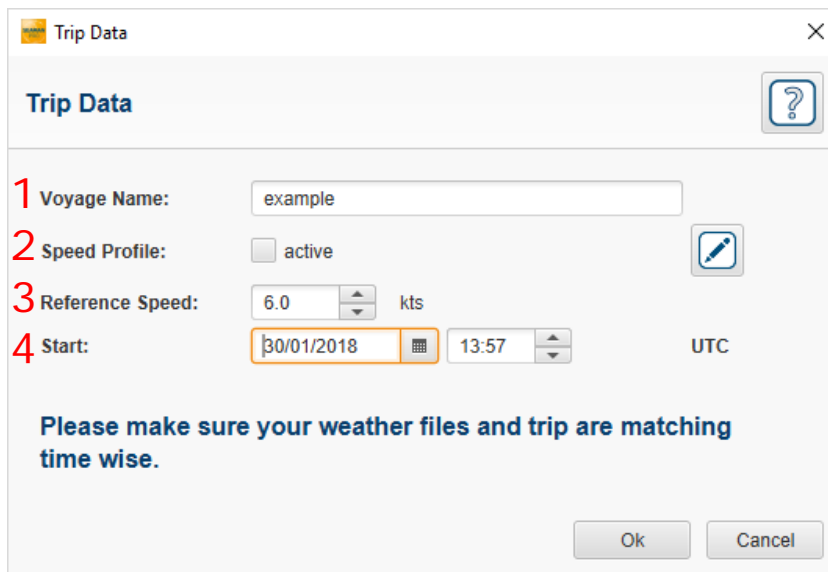
The forecast point can be moved by grabbing it with the mouse (left button) and dropping it at a new position. It can be removed by clicking the right

button or the icon  .

7) Trip planning

Start the trip planning by clicking on  .

The following dialog will pop up:

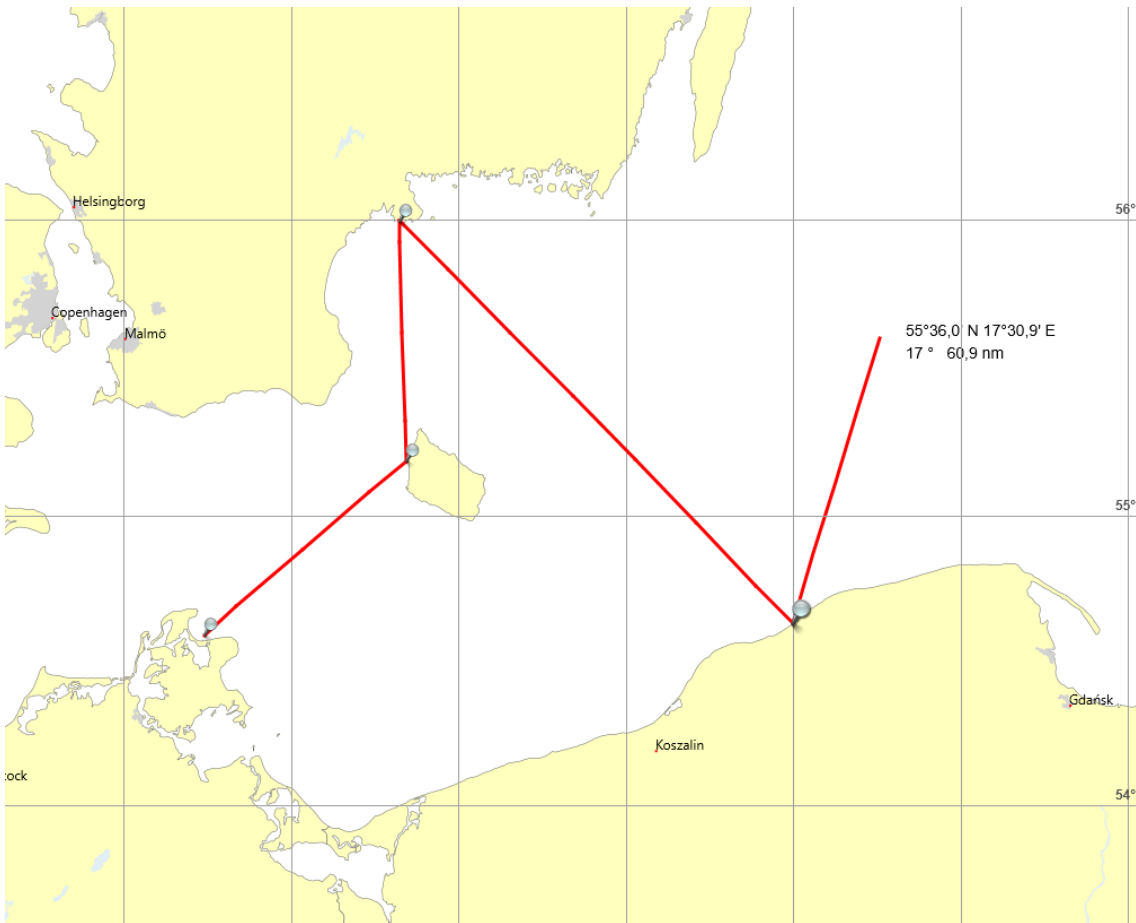


Please enter the following:


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) .)



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 and then on



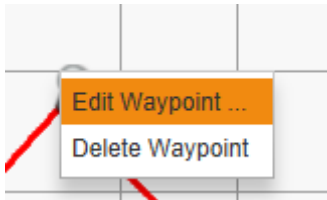
. This reactivates the waypoint setting function starting from that

waypoint. Click on  once you are done.

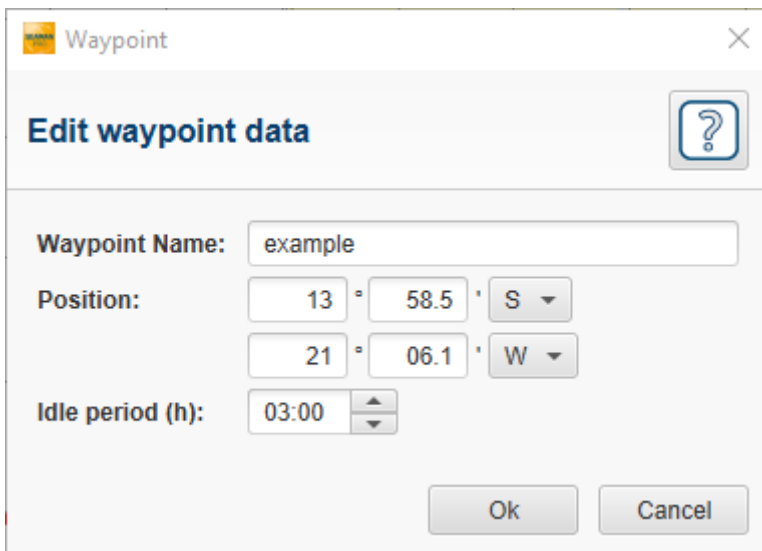
You can also use  to open up a previously saved trip.

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


Click your right cursor button on the desired way point and click on ,edit waypoint'



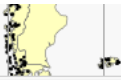
A new window will open:

A screenshot of the 'Edit waypoint data' dialog box. The dialog has a title bar with a close button. Inside, there's a section titled 'Edit waypoint data' with a help icon. Below this, there are three fields: 'Waypoint Name:' with a text input containing 'example'; 'Position:' with two rows of latitude/longitude inputs (13, 58.5, S and 21, 06.1, W); and 'Idle period (h):' with a spinner set to 03:00. At the bottom are 'Ok' and 'Cancel' buttons.

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

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.











▶ Trip Summary:

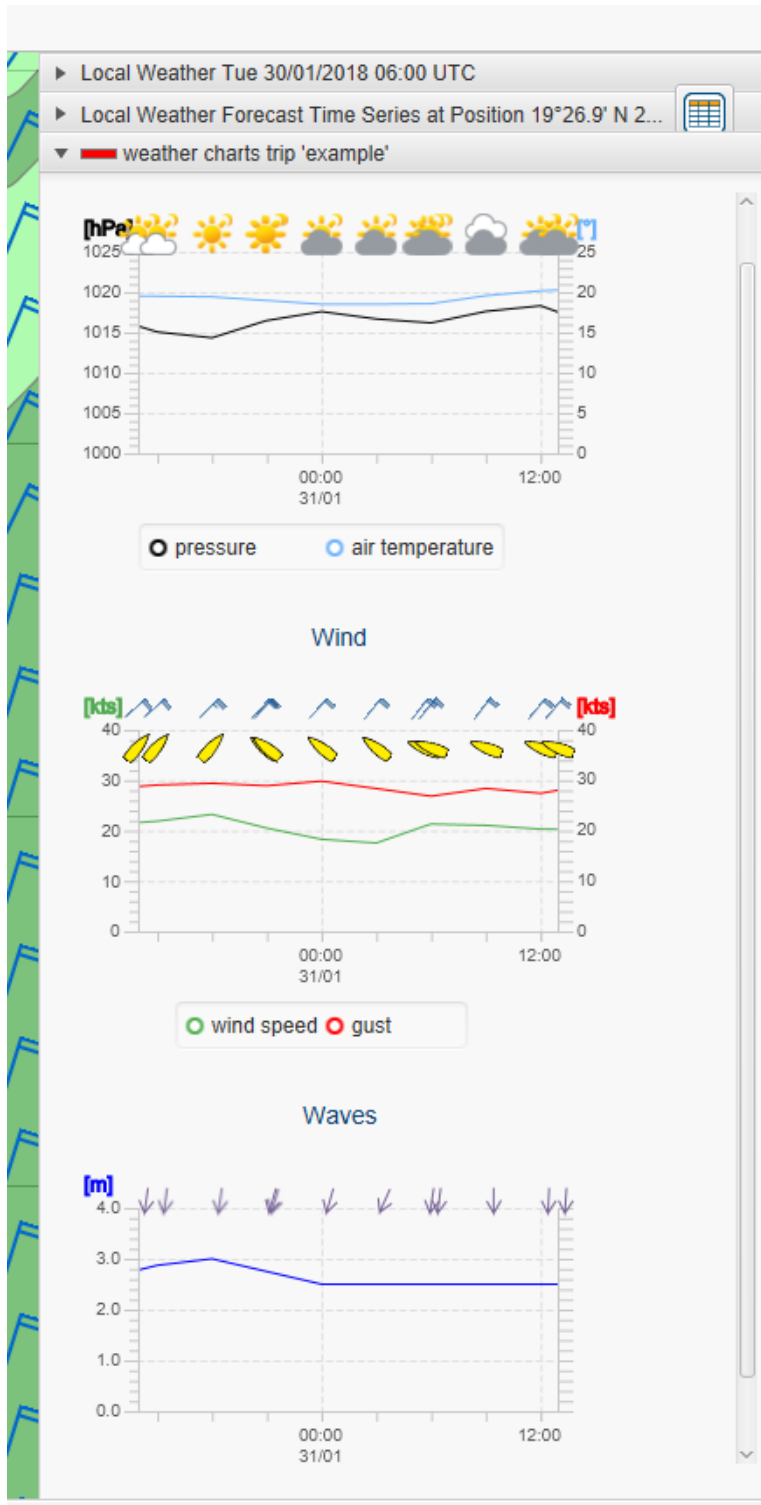
new

▼ Trip Editor:

new

Name	WP	Latitude	Longitude	Idle period	Leg distance	Total distance		
Start	1	32 ° 48.4 ' S	42 ° 12.0 ' W	00:00	0.0	0.0		
example	2	13 ° 58.5 ' S	21 ° 06.1 ' W	03:00	1614.1	1614.1		
	3	25 ° 26.6 ' S	7 ° 59.4 ' W	00:00	1009.5	2623.6		
	4	41 ° 19.7 ' S	15 ° 22.2 ' E	00:00	1500.6	4124.2		

a) Trip weather overview (meteograms)



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

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

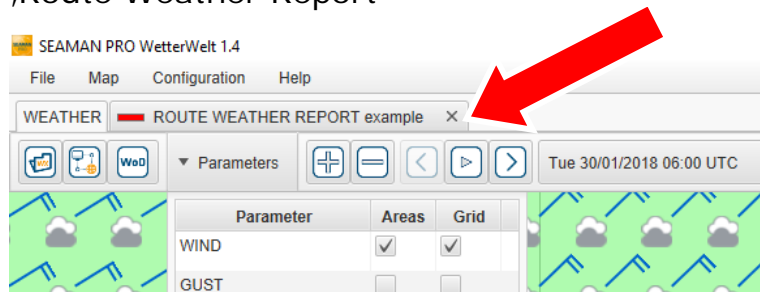
Every change to the trip is instantly visible in the weather charts.

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

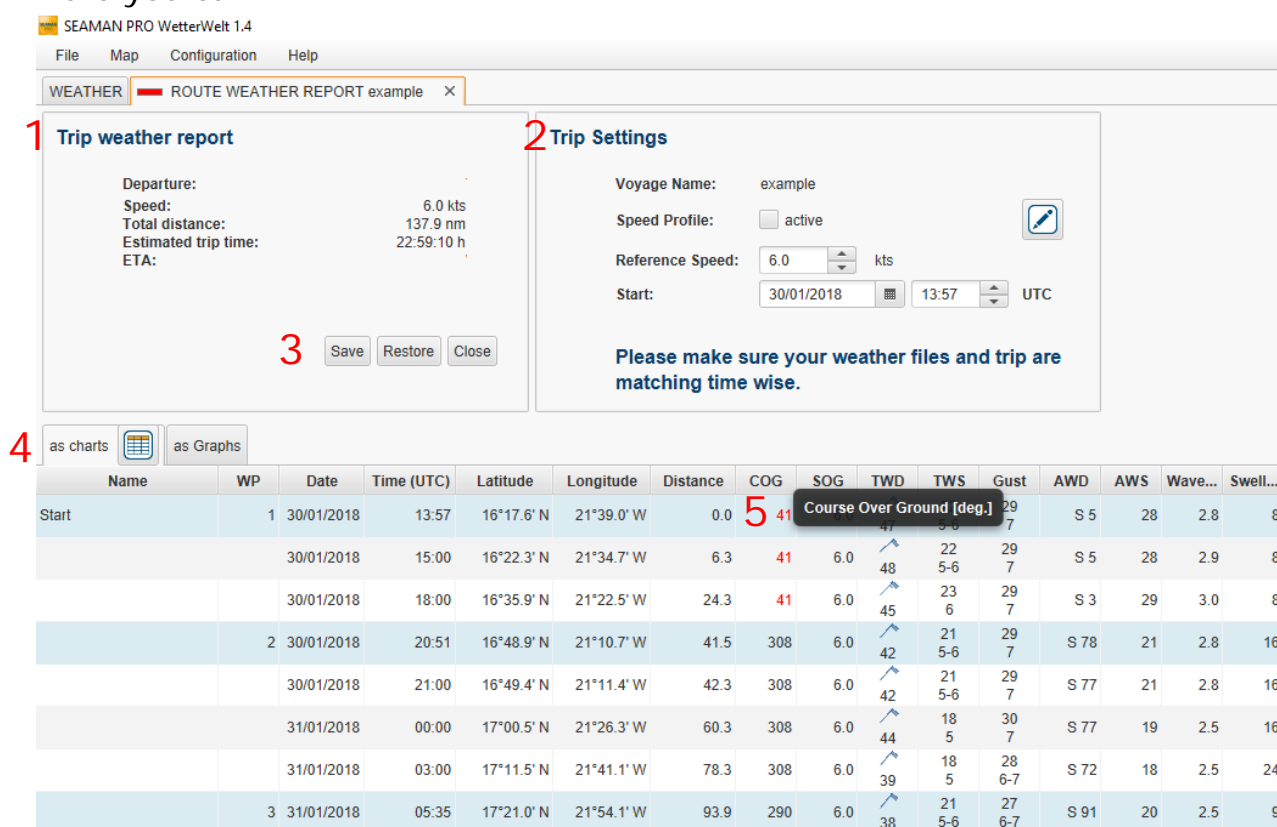
It can also happen that no weather window appears, but you might be able to find one by changing the start time for the trip.

b) Tip weather details (table)

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



Here you can:



1 Trip weather report

Departure: 6.0 kts
 Speed: 137.9 nm
 Total distance: 22:59:10 h
 Estimated trip time: ETA:

2 Trip Settings

Voyage Name: example
 Speed Profile: ☐ active
 Reference Speed: 6.0 kts
 Start: 30/01/2018 13:57 UTC

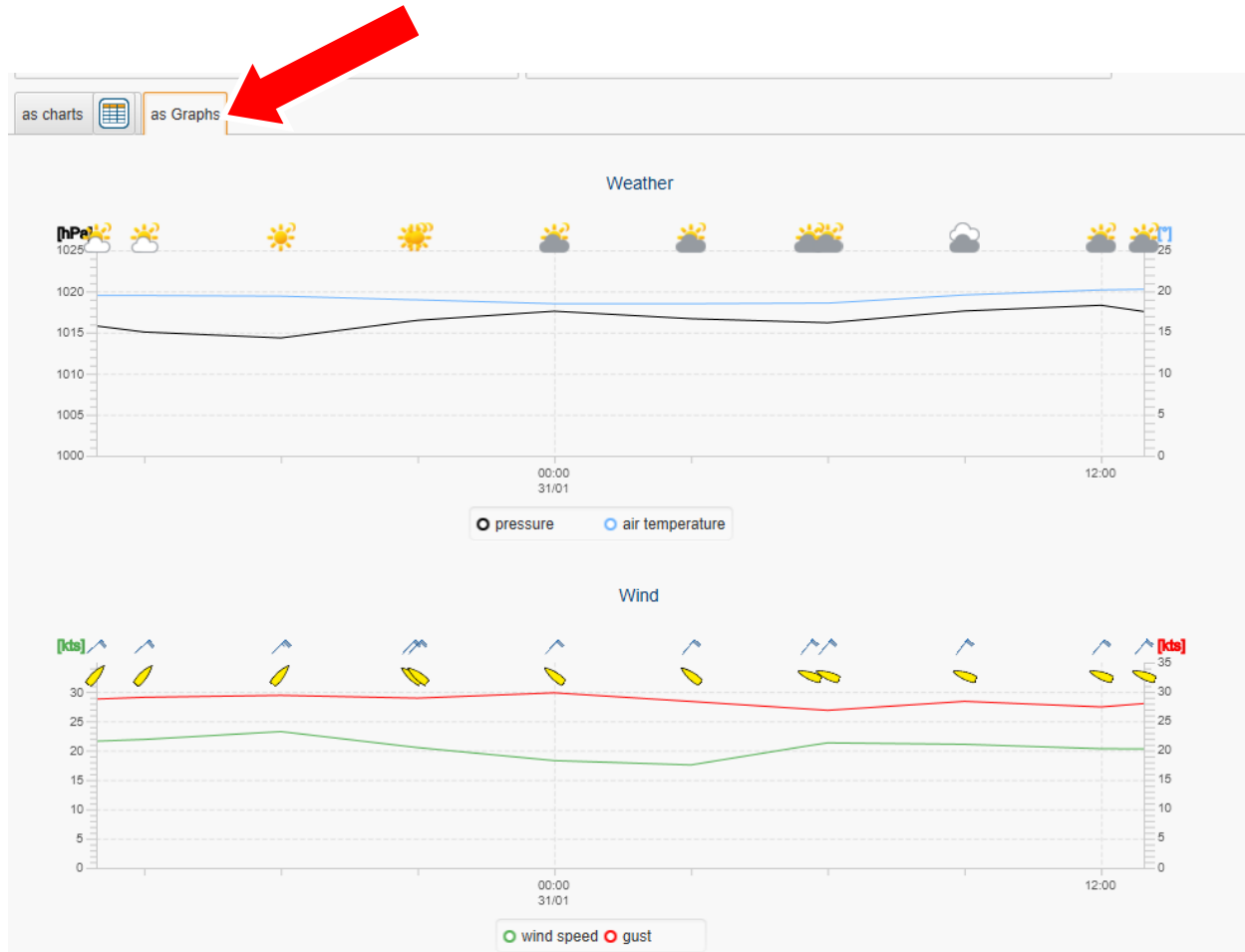
3 Save Restore Close

4 as charts as Graphs

Name	WP	Date	Time (UTC)	Latitude	Longitude	Distance	COG	SOG	TWD	TWS	Gust	AWD	AWS	Wave...	Swell...
Start	1	30/01/2018	13:57	16°17.6' N	21°39.0' W	0.0	41	41	47	5-6	29	S 5	28	2.8	8
		30/01/2018	15:00	16°22.3' N	21°34.7' W	6.3	41	6.0	48	5-6	29	S 5	28	2.9	8
		30/01/2018	18:00	16°35.9' N	21°22.5' W	24.3	41	6.0	45	6	29	S 3	29	3.0	8
	2	30/01/2018	20:51	16°48.9' N	21°10.7' W	41.5	308	6.0	42	5-6	29	S 78	21	2.8	16
		30/01/2018	21:00	16°49.4' N	21°11.4' W	42.3	308	6.0	42	5-6	29	S 77	21	2.8	16
		31/01/2018	00:00	17°00.5' N	21°26.3' W	60.3	308	6.0	44	5	30	S 77	19	2.5	16
		31/01/2018	03:00	17°11.5' N	21°41.1' W	78.3	308	6.0	39	5	28	S 72	18	2.5	24
	3	31/01/2018	05:35	17°21.0' N	21°54.1' W	93.9	290	6.0	38	5-6	27	S 91	20	2.5	9

1. See an overview of the trip.
2. Change all (previously set) trip settings.
3. Save the trip.
4. View all details of the trip as charts or graphs or personal report (see next picture.)

5. Get detailed information about the headers by hovering with the cursor.





By clicking you can generate your individual report.

Configuration

Route weather report

Etd:

Tue 30/01/2018 13:57

Base speed:

6.0 kts

Time step:

3

Parameters:

☒ Wind

☒ Wave height

☒ Apparent Wind

☒ Gust

☒ Swell direction

☒ Pressure

☒ Wave period

☒ 2m Temp

☒ Weather

☒ Current

☒ Clouds

☒ Precipitation

Create report as:

Table

Create

Cancel

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

Route weather

Route weather report

Route weather: example

Page 1

Start: Tue 30/01/2018 13:57

Time step: 3 h

Speed Profile: ☐ active

Reference Speed: 6.0 kts

Produced at: Fri 16/02/2018 14:39

Name	WP	Date	Time (UTC)	Latitude	Longitude	Distance	COG	SOG	TWD	TWS	AWD	AWS	Gust	Wave...	Swell...	Period	Curre...	Curre...	Pressure	Weather	Temp...	Cloud...	Preci...
Start	1	30/01/2018	13:57	16°17.6' N	21°39.0' W	0.0	41	6.0	47	22	S 5	28	29	2.8	8	7	1.1	201	1016		20	25	0.0
		30/01/2018	15:00	16°22.3' N	21°34.7' W	6.3	41	6.0	48	22	S 5	28	29	2.9	8	7	1.2	202	1015		20	25	0.0
		30/01/2018	18:00	16°35.9' N	21°22.5' W	24.3	41	6.0	45	23	S 3	29	29	3.0	8	8	1.0	204	1014		19	12	0.0
	2	30/01/2018	20:51	16°48.9' N	21°10.7' W	41.5	308	6.0	42	21	S 78	21	29	2.8	16	8	0.5	231	1016		19	12	0.0
		30/01/2018	21:00	16°49.4' N	21°11.4' W	42.3	308	6.0	42	21	S 77	21	29	2.8	16	8	0.5	231	1016		19	12	0.0
		31/01/2018	00:00	17°00.5' N	21°26.3' W	60.3	308	6.0	44	18	S 77	19	30	2.5	16	8	0.9	206	1018		18	50	0.0
		31/01/2018	03:00	17°11.5' N	21°41.1' W	78.3	308	6.0	39	18	S 72	18	28	2.5	24	8	0.8	208	1017		18	50	0.0
	3	31/01/2018	05:35	17°21.0' N	21°54.1' W	93.9	290	6.0	38	21	S 91	20	27	2.5	9	8	0.6	232	1016		19	50	0.0
		31/01/2018	06:00	17°21.9' N	21°56.4' W	96.3	290	6.0	40	21	S 93	20	27	2.5	7	8	0.6	234	1016		19	50	0.0
		31/01/2018	09:00	17°28.1' N	22°14.1' W	114.3	290	6.0	37	21	S 90	20	28	2.5	360	8	0.5	277	1018		20	88	0.0
		31/01/2018	12:00	17°34.3' N	22°31.8' W	132.3	290	6.0	37	20	S 91	19	27	2.5	3	8	0.7	291	1018		20	62	0.0

Done




You can print it by clicking .

8) Measuring Divider

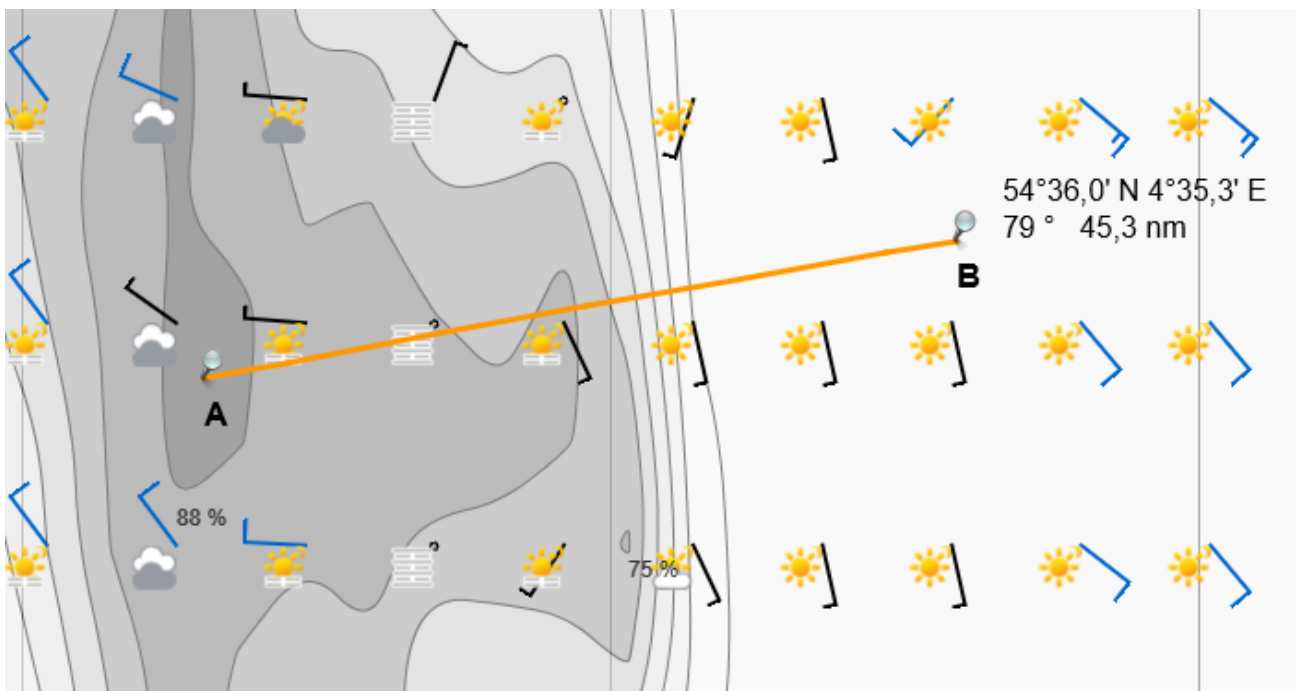
With **SEAMAN** PRO 1.5 we are introducing the measuring divider as a new tool to easily make out distances (for example that to the center of deep pressure zone).



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.



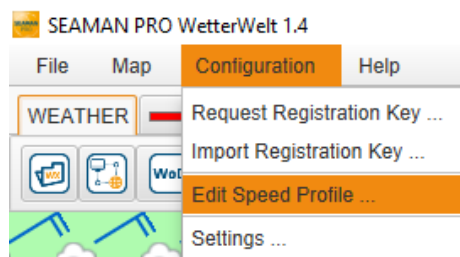
The marked distance remains on the map until you delete it either by clicking on the



icon or by clicking your right mouse button above the map and choosing 'remove divider'.

9) 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. Click on 'Save' once you are done. Now you have an individual speed profile matching our ship and your experiences.

Speed Profile Editor

Edit Ship Speed Profile 'default'

Wind impact on ship speed.

Values in percent depending on wind angle and wind speed
(0° = ahead, 180° = astern).
(100 % = ships reference speed at 4bft and half wind)

Wind	2	3	4	5	6	8
0°	42	50	57	67	69	75
40°	50	65	75	80	82	80
52°	65	77	93	97	99	92
90°	72	86	100	105	110	100
110°	72	87	101	110	117	102

Test the profile


















Ship Base Speed [kts]
Wind [Bft]
Wind Angle (T... [°]
=>

Resulting Speed through water [kts]:

Save
Cancel

10) 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