

SailTokyo - Quick Tour 4

Strip Charts - Wind

buell software gmbh
Esmarchstraße 53
24105 Kiel

Content

1	Requirements	1
2	Strip Charts Wind.....	1
2.1	Activating strip charts	1
2.2	Strip Chart Parameter	2
2.3	True Wind	3
2.4	GRIB wind.....	3
2.5	Simulator wind.....	4
2.6	Wind patterns.....	5
3	Finally.....	5

1 Requirements

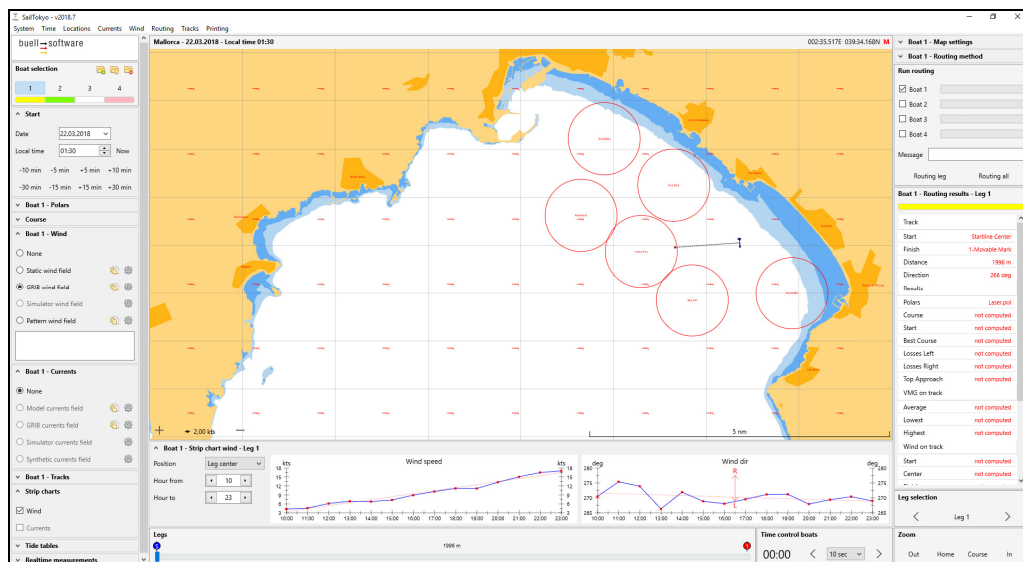
This tutorial requires the *SailTokyo* desktop version 2018.7 or later.

- Windows installer SetupSailTokyo2018.7.exe
- No team cloud required

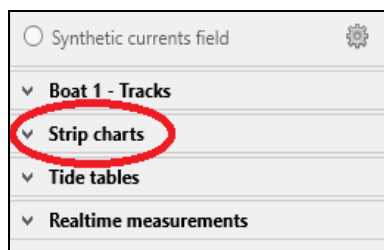
2 Strip Charts Wind

SailTokyo maps give information about wind at a specific time in the area of data.

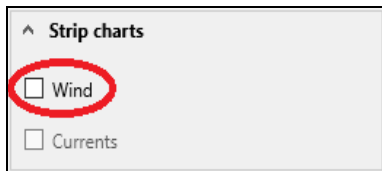
Strip charts are diagrams showing wind through time at a specific position.



2.1 Activating strip charts

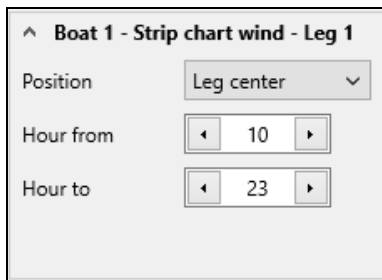


- Open expander **Strip Charts**.

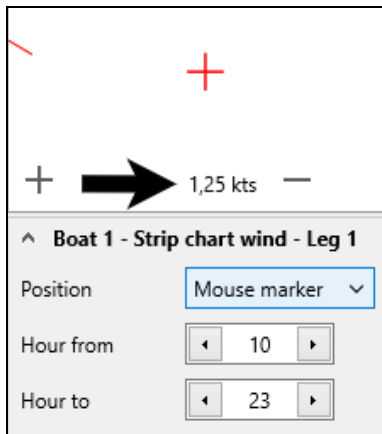


- Click checkbox **Wind**.

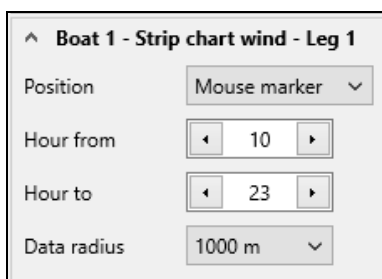
2.2 Strip Chart Parameter



- Find parameter area in expander strip chart.
- Select position for generating strip chart.
- Select time span of strip chart as hours of the day.



-
- If position is selected as **Mouse marker** move mouse cursor to desired position and **right click** onto mouse.
- Find position marker as **red cross** on map.

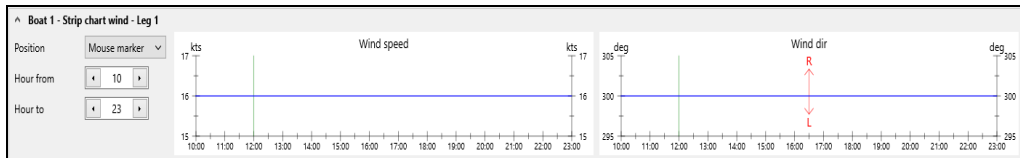


- If **Simulator wind field** is active (Measured wind) an additional parameter **Data radius** is added to parameter list.
- All data inside data radius (**Red circle** on map) will be used for generating a single data point in strip chart.

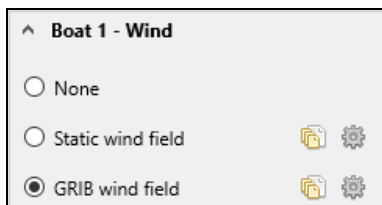
2.3 True Wind



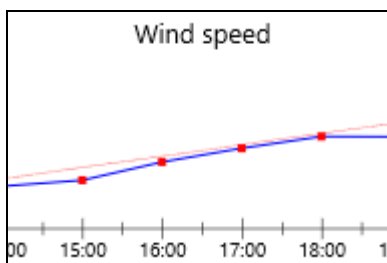
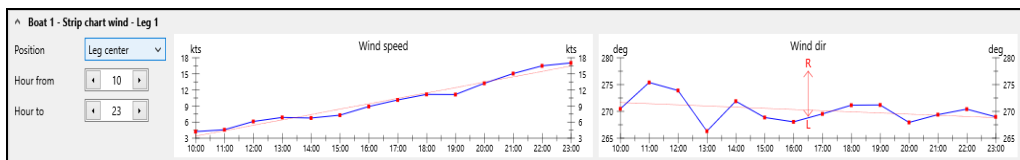
- Select **Static wind field** in expander wind.
- See wind as blue line in strip charts speed and direction.
- Vertical green line marks current time.



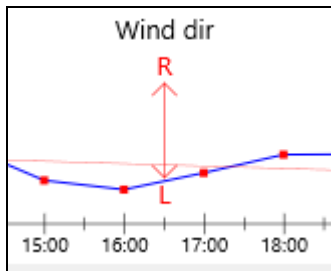
2.4 GRIB wind



- Load **GRIB wind file** and switch to date of GRIB data.
- Request test data from buell software if required.
- Select GRIB wind field.
- Set strip chart position to **Leg center**.



- **Red dots** are set at time of data.
- **Red line** as linear regression informs about change of data during time span.

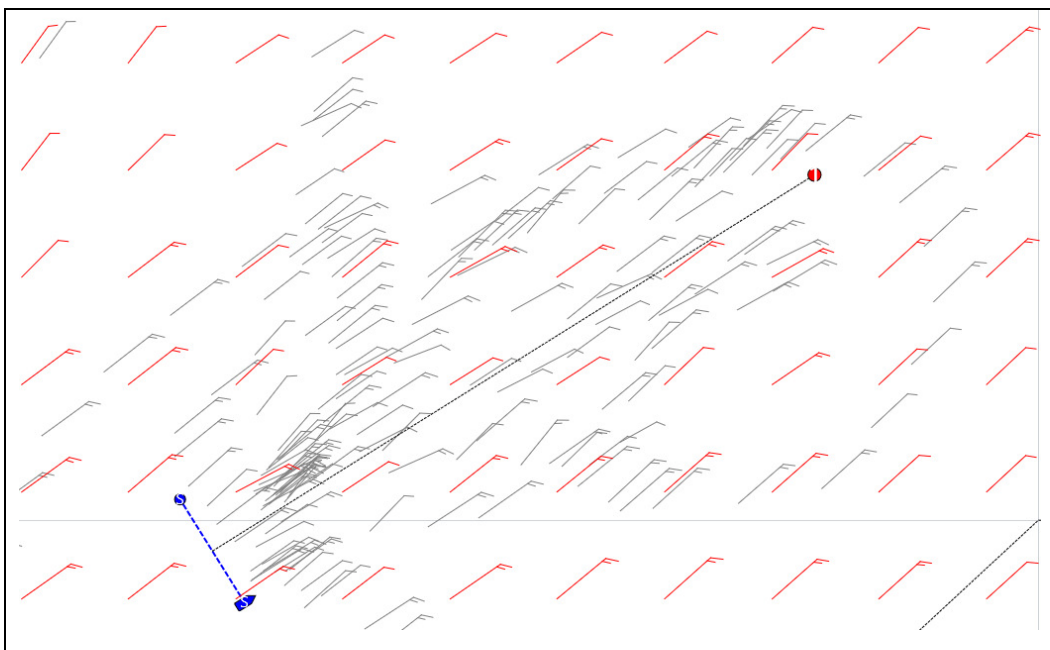


- Vertical red line indicates wind shift right (R) or left (L).
- Between 16:00 and 18:00 the wind shifts right in this example.

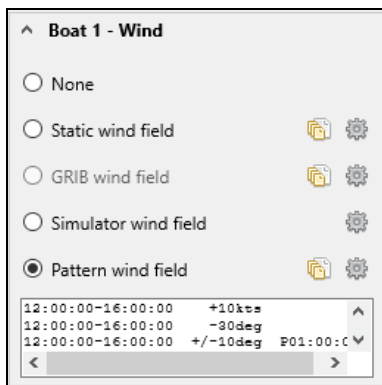
2.5 Simulator wind



- Run **wind simulator** and see resulting wind field on the map.
- Note that data may be filtered with **Data management wind**.
- Through time wind strip charts collects all data inside data radius and displays every single data point as red mark.



2.6 Wind patterns

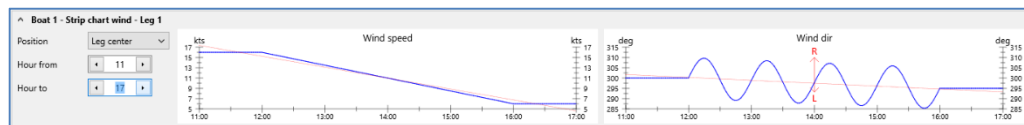


- Apply **wind pattern**.

List events of wind pattern

Timebase	Begin	Length	Period	Speed	Angle
Local time	12:00:00	04:00:00	01:00:00	0	+/-10
Local time	12:00:00	04:00:00		-10	-5

- The wind pattern of this example consists of two single events (Oscillating and linear)



3 Finally

This paper is just a brief look onto the functionality of *SailTokyo*.

Find more on our website soon!