When registered for a Race on SOL and racing, two other sites should be open on your desktop to enable you to be linked to Qt and in the position to edit a Route in Qt with a new downloaded Weather Grib. They are BrainAid I understand some of the top ranked SOlers use Kripper's AGL.) and Kroppyer's Tools for SailOnLine I both of which are available from SOL's Home Page – Links and are illustrated in the following screen prints.

You will note that I have SOL open on 3 pages at the same time  $\downarrow$  one is zoomed in, one is zoomed out and one is the Links on the Home Page. I find it easier and faster to toggle back and forth. I only have one screen and it is not big enough for me to have more than one page open on a split screen.

In your Helm Course Command box always make sure that you Reset the course to match your Dashboard NMEA COG or TWA Course so that you do not accidently tap Set Boat Course and cause an accidental tack or gybe!

You might want to have the QtVLM Documentation Manual Open for reference.

Sailaway using QtVLM are good tutorials on YouTube (Advanced Features Parts 1 and 2).

Go to SOL Home Page and click on Links.



Open BrainAid's Site and leave as favourite site for easy access on your desktop.



Register your SOL boat, password, the SOL race you are registered for and login to BrainAid.





Now go back to the SOL Home Page and Links to open Kroppyer's Tools for SOL.



Open Kroppyer's QtVLM route converter and save in favourites on your desktop for easy access.



Note the URL that you want to keep in your favourites and open on your desktop while racing

solkroppyerni/qtvlm2d: x Salionline.org - Salionline	a (VIm. documentation.e. ×       b trainaids Sailonline Tool ×       C Sailoniy using qtVIm A: ×       Sailonline.org - S         Image: Sailonline.org - Online       C Lakefrie Squid       Bayview Yacht Club       D SOL Tutorial       Q QtVLM   Solfans       R         Image: Sailonline.org - Online       C Lakefrie Squid       Bayview Yacht Club       D SOL Tutorial       Q QtVLM   Solfans       R         Kroppyer's tools for sailonline.org       Calculators, converters, guides, links and other stuff	kaitenlin: x
Home Contact: it&@vmpri/ Contact: it&@vmpri/ Contact: it&@vmpri/ Calculator QtVLM route converter Calculator Converts QtVL/ esv file to brainaid campatible DCs. Optimal angles (pop-up window) Calculate best WGs angles. Flagpole WVI spector Works best for people with a sense of humour. Tools SPINNACER A java tool for salionline. Data autopilot. Tools from other authors: WxInspector By Kagae. The ultimate SOTP tool for salionline. AGL/DC Checker By Kagae. The ultimate SOTP to for salionline. AGL/DC Checker By Kagae. The ultimate SOTP tool for salionline. AGL/DC Checker By Kagae. The ultimate SOTP to for salionline. AGL/DC checker By Kagae. The ultimate SOTP to for salionline. AGL/DC checker By Kagae. The ultimate SOTP	Optimize converter         Conversion If it doesn't work for you, try the old version here.         Conversit the old your of you of the conversion here.         Conversit the output files of QVLM to the format accepted by brainaids DC editor.         Don't binding your or your of your route!         Export your route via menu: Routes > Edit route > [your route]:         QVLM route file (csv) [Donese File] No file chosen         Convert to brainaid DC format         Using file: Tall Shins Asia 2020 Race 2 version 27.csv         Using file: Tall Shins Asia 2020 Race 2 version 27.csv         Using Glow Tall Shins Asia 2020 Race 2 version 27.csv         Using Glow Tall Shins Asia 2020 Race 2 version 27.csv         Using Glow Tall Shins Asia 2020 Race 2 version 27.csv         Using Glow Tall Shins Asia 2020 Race 2 version 27.csv         Using Glow Tall Shins Asia 2020 Race 2 version 27.csv         Using Glow Tall Shins Asia 2020 Race 2 version 27.csv         Using Glow Tall Shins Asia 2020 Race 2 version 27.csv         Using Glow Tall Shins Asia 2020 Race 2 version 27.csv         Twx       > as sign for TWA         Awa       > as sign for TWA         Update	Useful information SOL fans blogging site Performance loss explained Recent posts on solfans DC Checker Version 3 By Kloper1258 Some Murky Thoughts About Sailing Through The Doldmurs By Dinge Confessions from the Cataries By bonknot Precision round Puerto Aguirre for posterity By bonknhoot
Ø weather_114.globgb ^ III @ IIII @ III @ III @ III @ III @ III @ IIII @ III @ III @ III @ III		Show all X

While registered for a Race on SOL and racing SOL posts an Alert that a new weather Grib has been uploaded to BrainAid. Click OK to close the pop-up Alert. (Every 6 hrs UTC 0420; 1020; 16:20 & 22:20)



Go to BrainAid and open Weather. Click on Grib file name to download Grib file to your Download files.



🔦 qtVIm 64 bit	s 5.9-11-p1 (meltemus) slo	t1: weather_114_glo	obal_gfs_20200826_1618.grb (from 08/2	5/2020 15:00 to	09/03/2020 0	0:00)													- 1	o ×
QtVIm View	Grib Boat Routings Rou	utes Pathways B	arriers Marks Contribute Help																	
Bai 1893 🔏	Grip slot 1		Delead	CER +0	- **	د 🥘	🛞 🔽 -	< 30 mn	- 🕨 (	🕑 Reckonin	ig 60 🤤		L 🔼	<u>)</u> 💿 (	3					
Ref : 08/26/2020	Grib slot 2 Grib slot 3	, ,	- Reload																	
Wed 08/26/2020 (UTC)	Informations	CHI-I	Crib Zugrib																50G: 3	6kts /
	Close all oribs	CHI+W	Grib Zygrib																I.N	
Decition	Grib Saildocs		Grib VLM															/	r _ ,	⊔ <b>▲</b>
-	Weather images		🚽 Download partial VLM grib															' 1 <b>`</b> .	11	1. C. a.C
Speed and F	💮 Select grib date		🔔 Grib Great Circle															°,	OTVLM	C. Tripped
WP	💿 Now		A Grib custom															- 7		>
NMEA	"" Grib configuration	Ctrl+G																		
Anchor	Set grib step																		I S	1 1
Polar: hoat	Previous forecast																			
	Next forecast																			
	Animate the grib																			
	Merge grib files																			
15	Tide calculator																			
	namonics	nax speed:																		
•/	∕ <mark>∕</mark> <sup>6</sup>	WS: 32.00kts	1 1 1 1 1 1																	
$\square$	< /	WA:																		
	$\land$	IS:																		
	× ×	PC:																		
	9	9.93%					Charles and the	wg 27-00:57 1												
			1 1 1 1 1 1 1																	
$  \rangle \rangle$																				
	135	THE																		
	150	1113																		
180 165		8.43 kts 😂																		
		57.3°/177.8°)																		
	3.6 kts		1 1 1 1 1 1																	
m200	SOG VHG	10 10		TWS		AWS		STW	CS/CD	DEH	PRE	BOL/PCH	STE	AT						
בוסססכ	C7  _			ובע ס	UCO	n cl	iccol:	ירס ב	וכח ו						1					
בן־בב				0.70	0			1.10	J. UC (											
Vind 195.1°. 9.	1 kts 02940'18 N 106953'477	F - 293.3º 28.5 nm																ENG	6:25 P	No W
· C	- 🐖 💽 📮		۱ 🕚 📓													^	🛃 🛍 di	US	26/08/2	020

Open Qt and open Grib slot 1 and Open which will automatically take you to your Downloaded Files.

Select the new downloaded Grib file and open.

O Choose a GRIB file		
$1 = 20 \text{ mps} \times 10^{-1} \text{ mps} \times 10^{-1} \text{ mps} \times 10^{-1} \text{ mps}$		
← → · ↑ ↓ This PC > Downloads ✓ Ø // Search Downloads ✓ Ø // Search Downloads		
Organize - New Folder 📧 - 🔟 🕜 🛛 🎝 🎝 🎝 🎝 🎝 🎝 🎝 🎝 🎝 🎝 🎝	COG: 255* SOG: 3.6kt	1 -
CRVLM ^ Name Date modified Type Size _ / / / / / / / / / / / / / / / / / /	11	
Round White Islk		
		1.1
Western The global of 2000/2002 1418 2000/2002 1419 M GBB File 883 KB J J J J J J J J J J J J J J J J J J	omu	
	1 1	
Desktop	1 s	
	Stop NMEA	
Music Wearner_11-good_grs_000x02_2221 22/00/2000x32 PM 0405 P1 6 665 No		
Fictures     weather in global gis 200002_1011 E10/02/2000 E10 FW ONOTINE 000 F0 J J J J J J J J J J J J J J J J		
Wideos		
File name 🛛 weather_114_global_gfs_20200826,2222 🗸 🗸 GRIB Files (*.grb *.grib *.bsz *.gr 🗸 🖉 🖉 🖉 🖓 🖉 GRIB Files (*.grb *.grib *.bsz *.gr 🗸		
9.99%		
36 ta (57.3°/177.8°)		
ا <sup>ر</sup> د د د د د محمد محمد (محمد (محمد (۵۵ ۵ ۵ ۵ ۵ ۵ ۵ ۵ ۳ ۵ ۵ ۵ ۵ ۵ ۵ ۵ ۵ ۵ ۵		
Wind 195.27. 9.1 Extc07x471671 (DK555517F - 7x4.8° X6.0 m)	6.06.014	No WI
📲 💽 🙀 💿 💁 🕼 🐚 🔛 🔷 👘	US 26/08/2020	$\Box$

2020 21:00 2020 22:26 💊 Grib file information × : 1.71 M 03°00'00"S 88°00'00"E 30°00'00"N 134°00'00"E TWS Show grib info after grib loading 8.41 469 10.5 2559 3.57 8.02 -57 99 9 1920 \_\_\_\_ ^ 🖪 🖬 Φ₩) 🦟 <sup>ENG</sup> 6:26 PM US 26/08/2020 💭 🌍 🔯 🛐 ی 🚺 🛃 . -

Grib File Information pop-up will appear. Double check file name. Click OK.

Go to Routes to Edit Route with new Grib weather. Select Route being used in Race.

🔕 qtVIm 64 bits 5.9-11-p1 (meltemus) slot1: weather_114_glo	bal_gfs_20200826_2222.grb (from 08/26/2020 21:00 to 09/03/2020 06:00)		– o ×
QtVim View Grib Boat Routings Routes Pathways B	arrers Maris Contribute Hep		
Ref : 08/26/2020 21:00			
Wed 08/25/2020 22:26 Paste a route			50G: 3.6kts
Import route		1111	
Position Roberts comparator		ננננ	1 1
Delete route			anna
Delete routes			× 11 1 🗸 .
Anchor			s
Polar: boat_TS83.csv			
,			
Max speed: 4.36 kts at 102.009			
15 30 Absolute			
45 TWS:			
52.00ACS TWA: 60 102.00°			
BS: 7.12kts			
<sup>2</sup> PPC: 100.00%			
90			
105			
135 TWS			
180 165 8.40 kts			
(57.3°/177.8°)	1   1   1   1   1   1   1   1   1   1		
36 kts	1   1   1   1   1   1   1   1   1   1		
2550 3 53   <u>- </u>	ו המו וספי הביין א עריין הי קפלגיון ג'רות הפרייןן		
Wind 195.2°. 9.0 kts 0.2°40'18"N 106°56'11"E - 295.6° 26.2 nm			No WF
🗯 💽 🐂 💽 🔯 🚳	🕹 🔕 🗳	へ 民 🐿 🕼 🧰 ENG	5 6:27 PM 5 26/08/2020

Route Settings will open. Double check the Route description and that it is starting from the boat and is not the start of the Race. If you change any of the Route settings you will have to click OK at the bottom of the screen for them to be accepted. Click the Simplify box and Apply.



This Simplification Result pop-up will appear. Click Optimize.

QtVlm View Grib Boat Routings Routes Pathways	Barriers Mar	ks Contribu	ite Help																		
🔛 📰 🔛 🔛 🔍 🕕 🔿 🚹	୧୧	۹ 📗	< ≠ #	/* ᠑.■	<sup>an</sup> G	9 🕘 📀	•	30 mn 💌	🕨 🖸	Reckoning	60 💽 🗖	nins 🔻			0						
Ref : 08/26/2020 21:00 Wed 08/26/2020 22:27 (UTC)		107°EJ _J																		COG: 255* 50G: 3.6kt	 , -
· · · · · · · · · · · ·																				I N	<b>~</b> 1
Position	L L .																		- Z.		-
Speed and Heading	LL																				19
WP	LL																			1-1	
	1 1																		1 🔀	11	<u>_</u>
Anchor	1 1																			Stop NMEA	<u></u>
Polar: boat_TS83.csv	11																				1 _
1 Mariana da	1 1																				1
4.35 kts at 102.00°	1 1				1 0 6				×												1
15 30 Absolute	1 1				J Sim	ipinication rest	μ		^												
46 TWS:						Routing12 2 minutes sa	ved(I), 2 POI	's suppressed	d out of 4												
32.00kts TWA:						ETA before s ETA after sin	implification: plification: 08	08/28/20 17 8/28/20 17:0	:10:00 18:00												
BS: 7.12kts	ר ר																				
75 PPC: 100.13%	ר ר				1 7.																1 -
	LL						K120H3 Aug 27-														1 .
	LL																				1 1
	t t																				1
130	1.1																				1
135	1 1																				1
190 TWS																					
180 165 8.38 kts																					
(57.3°/177.8°)																					
36 83	ננ																				ر 1
	L ] _ ]	1_1			<u> </u>	נננ	ננ			ר ר ד	L		ר_ ר	1							1.
	- 0	ייייי			co n	כן בכ	čola "	ڈ ا د ک							1						1.
Wind 195.2°, 9.0 kts 02°40'16"N 106°56'42"E - 296.0° 25.7 nm																					No WP
🖷 💽 🦮 💽 🖬 🚺			W													~	<b>R</b> 9	(1)	ENG	6:28 PM	

CP.

9 qtVIm 64 bits 5.9-11-p1 (meltemus) slot1: weather\_114\_global\_gfs\_20200826\_2222.grb (from 08/26/2020 21:00 to 09/03/2020 06:00)

This Optimization Results pop-up will appear. Click OK. You now have an updated Route based on the latest downloaded Grib File.



Go back to the Route/Edit Route and open the Route Logbook which will automatically populate with the Route course changes based on this new Grib file.



🔕 qtVIm 64 bits 5.9-11-p1 (meltemu	s) slot1: weather_114_global_	gfs_20200826_22	22.grb (fron	n 08/26/2020	) 21:00 to 0	9/03/2020	06:00)														-	0	×
QtVim View Grib Boat Routings	Routes Pathways Barrier	rs Marks Cont	ribute Help	)															? ×				
Ref : 08/26/2020 21:00 Thu 08/27/2020 02:56 (UTC)	Route Route logbook H	listograms Stati	stics																			06: 248* 06: 3.9kts	
	Export (CSV format	) 🔵 🗩 witt	n raw data													O HDG deviation	0° 📄 🤇	Interval	5 min 🗘		1		
Position			TWA S													REFLECTIVITY		COMB WAVES	PRIN	1 1			
Speed and Heading	08/27/2020 02:57	10.35 kts 186.37	• 115.26°	(/A 4.77 kts	71.12°	4.77 kts	71.12°	9.37 kts	-87.82° 1			N/A		N/A	N/A	N/A		HGT N/A		1	Jane		1
	08/27/2020 03:02	10.34 kts 186.46	115.34*	(/A 5.02 kts		5.02 kts		9.36 kts	-86.36* 1	N/A N	VA N/A												1
Anchor	08/27/2020 03:07	10.32 kts 186.54	° 115.42°	(/A 5.01 kts		5.01 kts		9.34 kts	-86.43° 1	N/A N	VA N/A									1		SI	
Polar: boat_TSB3.csv	08/27/2020 03:12	10.30 kts 186.60	61.65*	(/A 3.90 kts	248.25°	3.90 kts		12.63 kts	45.90° 1	N/A N	VA N/A										- 5	op NMEA	
	08/27/2020 03:17 🔶	10.31 kts 186.52	• 61.73°	(/A 3.90 kts		3.90 kts		12.64 kts	45.95° 1	N/A N	VA N/A												
	08/27/2020 03:22 👍	10.32 kts 186.44	• 61.61*	(/A 3.91 kts		3.91 kts		12.65 kts	46.00° 1	N/A N	VA N/A												
15 / 30	08/27/2020 03:27 🐓	10.33 kts 186.36	61.69*	U/A 3.92 kts		3.92 kts		12.66 kts	46.05* 1	N/A N	VA N/A												
	08/27/2020 03:32 🐓	10.34 kts 186.28	• 61.97• I	(/A 3.92 kts		3.92 kts		12.66 kts	46.10° 1	N/A N	VA N/A												
	08/27/2020 03:37 🐓	10.34 kts 186.20	62.05*	(/A 3.93 kts		3.93 kts		12.67 kts	46.15* 1	N/A N	VA N/A												
	08/27/2020 03:42 🐓	10.35 kts 186.12	• 62.13• I	(/A 3.93 kts		3.93 kts		12.67 kts	46.20° 1	N/A N	VA N/A												
	08/27/2020 03:47 🐓	10.35 kts 186.03	° 62.21* 1	(/A 3.94 kts		3.94 kts		12.67 kts	46.25* 1	N/A N	VA N/A												
	08/27/2020 03:52 🞐	10.35 kts 185.95	° <mark>62.30</mark> ° 1	(/A 3.95 kts		3.95 kts		12.68 kts	46.30° 1	N/A N	VA N/A												
	08/27/2020 03:57 🔶	10.36 kts 185.87	• <mark>62.38</mark> • 1	(/A 3.95 kts		3.95 kts		12.68 kts	46.35° 1	N/A N	VA N/A												
	08/27/2020 04:02 🔶	10.36 kts 185.78	• <mark>62.46*</mark> 1	U/A 3.96 kts		3.96 kts		12.68 kts	46.40* 1	N/A N	VA N/A												
-120	08/27/2020 04:07 📌	10.36 kts 185.70	° 62.55° 1	(/A 3.96 kts		3.96 kts		12.68 kts	46.45° 1	N/A N	VA N/A												-
	08/27/2020 04:12 🔶	10.36 kts 185.61	62.63*	U/A 3.97 kts		3.97 kts		12.68 kts	46.50* 1	N/A N	VA N/A									1 1			-
150	08/27/2020 04:17 🔶	10.36 kts 185.53	° 62.72° I	(/A 3.97 kts		3.97 kts		12.68 kts	46.56° 1	N/A N	VA N/A									1 1			-
	08/27/2020 04:22 🔶	10.36 kts 185.44	• <mark>62.81</mark> • 1	(/A 3.98 kts		3.98 kts		12.69 kts	46.61* 1	N/A N	VA N/A									1 1			-
39 85	08/27/2020 04:27	10.37 kts 185.35	• <mark>62.89*</mark>	1/A 3.98 kts	248.24°	3.98 kts	248.24°	12.69 kts	46.66° 1	N/A N	VA N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		11			-
																				1 1			
									Clos				_							L J			
Wind 190.5°. 11.1 kts 07°28'55'N 106	°48'16"E - 286.4° 16.6 nm						· •			<u> </u>	ت حد											N	lo WP
# 🖸 🖬 🧿	🔁 🖸 🚳	۵	W																^ 🖪 🐿	(1)) <i>(ii</i> , <sup>1</sup>	NG 10: US 26/0	57 PM )8/2020	נ

Populated Logbook. Click Export (csv format)

Pop-up appears for saving the Exported Logbook to your Computer which you will need to populate the Kroppyer QtVLM Route Converter when it asks you to choose a file.

	Export a roadbook													×		_						
*31 1 1 1				_																		
	- → ` ↑ <mark> </mark> י	This PC →	OS (C:) >	Program	Files →	qtVlm⇒			~ 0		Sear	:h qtVIm					O HDG deviatio	n 0° 📄	Interval	5 min 🗘		
	Organize 🔻 New	folder											800	• 🕐					COMB WAVES	PRIM	1 1	, i
ading	Inis PC	^ Nam	e	^			Dat	e modifi	ed	Ту	pe		Size		AIRTEM		REFLECTIVITY		HGT	D	, <sup>-</sup> , 9	
	3D Objects	<b>Q</b> .	all Ships Asia	2020 Ra	ce 2 vers	ion 18	25/0	08/2020	2:34 AM	M	icrosoft	Excel C		240 KB	N/A	N/A		N/A		N	1 7	
	Deskton		all Ships Asia	2020 Ra	ce 2 vers	ion 19	25/0	08/2020	6:22 AM	М	icrosoft	Excel C		227 KB	N/A	N/A						
	Documents		all Ships Asia	2020 Ra	ce 2 vers	ion 20	25/0	08/2020	10:14 AN	M	crosoft	Excel C		216 KB	N/A	N/A						1
83 m	Downloads	45) (1)	all Ships Asia fall Ships Asia	2020 Ra	ce 2 vers	ion 21	25/0	08/2020	6-26 DM	M	icrosoft	Excel C Excel C		222 KB 216 KB	51/4		81/4		51/6			
503.CSV	Muric	60 -	all Ships Asia fall Ships Δsi	2020 Ra	ce 2 vers	ion 23	26/	08/2020	12-27 AM	I M	icrosoft	Excel C		190 KB	N/A	NVA						
	Picturer		all Ships Asi	2020 Ra	ce 2 vers	ion 24	26/0	08/2020	12:56 AN	ім	icrosoft	Excel C		189 KB	N/A	N/A						
	Videor	<b>G</b>	all Ships Asi	2020 Ra	ce 2 vers	ion 25	26/0	08/2020	8:40 AM	м	icrosoft	Excel C		157 KB	N/A	N/A						
		4	all Ships Asia	2020 Ra	ce 2 vers	ion 26	26/0	08/2020	12:23 PM	M	icrosoft	Excel C		152 KB	N/A	N/A		N/A		N		
30	_ 03(c.)	•	all Ships Asia	2020 Ra	ce 2		22/0	08/2020	11:10 PM	M	icrosoft	Excel C		228 KB	/							
~~~	Network	~ <												>	N/A	N/A		N/A		, N		
	File name: 1	all Ships Asi	2020 Race 2	version 2	27									~	N/A	N/A						
	Save as type: O	SV (*.csv)												~	N/A	N/A						
1															N/A	N/A	N/A	N/A	N/A			
	<ul> <li>Hide Folders</li> </ul>										Save		Ca	ncel								
	-	_			_		_	_		Ĺ					ii N/A	N/A	N/A	N/A	N/A	Ň		
	08/26/2020 23:28	7.55 kts	190.03° 63.19		3.36 kts		3.36 kts		9.55 kts	44.87°	N/A N	A N//				N/A						
$\rightarrow$ $/$	08/26/2020 23:33	7.51 kts	189.87* 63.35		3.36 kts		3.36 kts		9.51 kts	44.93*	N/A N	A N//				N/A						
120	08/26/2020 23-38	2.49 km	189.719 63.51		3.36 km		3.36 km		9.48 km	44.992	N/A N	A N//	N	a N/A		N/A	N/A	N/A	N/A			
	00/20/2020 23:30																					
	08/26/2020 23:43	7.46 kts	189.56* 63.65		3.36 kts	253.22*	3.36 kts	253.22*	9.45 kts	45.06*	N/A N	A N//	1 N/	a N/A		N/A	N/A	N/A	N/A	h		
150	08/26/2020 23:48	7.45 kts	189.43° 63.78		3.37 kts		3.37 kts		9.44 kts	45.12°	N/A N	A N//				N/A						
	08/26/2020 23:53	7.45 kts	189.32° 63.90		3.37 kts		3.37 kts		9.43 kts	45.18°	N/A N	A N//				N/A						
36 kts	00/00/2000 00/00	7.46 144	100 322 64 0		2 20 644		2 20 64		9.44 144	45 349	N/A N	×		N/A		N/A		N/A				
	08/28/2020 23:58	7.46 KG	107.22 04.00	IWA	3.30 KB	233,22	3.30 KG	233-22	3.447 KG	10.21		a			DVA	1970	IX A	NA	N/A	•		
OG VMC																						

The exported csv file will appear but can be closed since you have saved a copy to your computer in the previous screen.



Go to Kroppyer Qt Route Converter and Choose File i.e. the saved Exported csv logbook file in the previous screen. The boxes are presently populated with the previous Grib file data.



Choose the newly exported and saved Exported Logbook csv file and open it.

Open			🗙 🖸 Sailaway using qtVIm Adi 🗙   🚺 Sailonline.org - Sailonlini 🗙   🚹 Sailonline.org - Online Si 🗙   🕂 – 🗇 👋
← → ~ ↑ □→ This PC → OS (C:) → Program Files :	→ qtVlm → ~ Õ		* 📇 * O :
Organize 🔻 New folder		8= • 💷 🌘	🕽 : Club 💶 SOL Tutorial 🔇 QtVLM   Solfans 🛞 Routing for Non-Ro 🔇 sol.kroppyer.nl/qtvl
QtVLM Name Round White Isk This PC Name This PC Name Name Stall Ships Asia 2020 Race 2 ve	Date modified           rsion 19         25/08/2020 6:22 AM           rsion 20         25/08/2020 10:14 AM           rsion 21         25/08/2020 12:19 PM	Type         Size           Microsoft Excel C         227 K           Microsoft Excel C         216 K           Microsoft Excel C         216 K	
3D Objects     1all Ships Asia 2020 Race 2 ve     20 Desktop     20 Documents     20 Documents	rsion 22 25/08/2020 6:26 PM rsion 23 26/08/2020 12:27 AM rsion 24 26/08/2020 12:56 AM	Microsoft Excel C 216 K Microsoft Excel C 190 K Microsoft Excel C 189 K	
Downloads     Downloads     Downloads     Music     Music     Dital Ships Asia 2020 Nace 2 ve     Tal Ships Asia 2020 Nace 2 ve     Ditures     Pictures     Videos     Videos     Videos	rsion 25 26/08/2020 8:40 AM rsion 26 26/08/2020 12:23 PM rsion 27 26/08/2020 6:32 PM 22/08/2020 11:10 PM 16/02/2017 9:45 AM	Microsoft Excel C 157.K Microsoft Excel C 152.K Microsoft Excel C 130 K Microsoft Excel C 228 K Application exten 383 K	
OS (C:)     Veruntime140.dll     File name: Tall Ships Asia 2020 Race 2 ver	16/02/2017 9:45 AM	Application exten 86 K	
2020/08/26         16:46:00         twa         -57.4           2020/08/26         16:51:00         twa         -57.4           2020/08/26         16:51:00         twa         -57.4           2020/08/26         16:51:00         twa         -57.4           2020/08/26         17:01:00         twa         -57.4           2020/08/26         17:01:00         twa         -57.4           2020/08/26         17:11:00         twa         -57.4           2020/08/26         17:12:00         twa         -57.4           2020/08/26         17:22:00         twa         -57.4           2020/08/26         17:22:00         twa         -57.4           2020/08/26         17:38:00         twa         -57.4           2020/08/26         17:38:00         twa         -57.4           2020/08/26         17:48:00         twa         -57.4           2020/08/26         17:58:00         twa         -57.3           2020/08/26         18:11:00         twa         -57.3           2020/08/26         18:11:00         twa         -57.3           2020/08/26         18:11:00         twa         -57.3           2020/08/26         18:12	2020/08/26 16:46:00 cc 266. 2020/08/26 16:51:00 cc 265. 2020/08/26 16:55:00 cc 265. 2020/08/26 17:01:00 cc 264. 2020/08/26 17:01:00 cc 264. 2020/08/26 17:11:00 cc 265. 2020/08/26 17:12:00 cc 265. 2020/08/26 17:21:00 cc 265. 2020/08/26 17:21:00 cc 264. 2020/08/26 17:21:00 cc 264. 2020/08/26 17:13:00 cc 264. 2020/08/26 17:14:00 cc 264. 2020/08/26 11:14:00 cc 264. 2020/08/26 11:16:00 cc 255. 2020/08/26 18:11:100 cc 255. 2020/08/26 18:12:100 cc 255. 2020/08/26 18:22:00 cc 255. 2020/	Called Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant Constant	
ø weather_114_globgrb			Show all X
# 💽 🖬 💽 🔯 🖉	<u>§</u> <u> </u>		∧ 🖪 ₩D 40) // ENG 634 PM US 26/08/2020 🖵

Click Convert to BrainAid DC Format and the boxes will be repopulated with the latest Route Logbook data based on the Exported csv file chosen. Check the time and course of the first line of COG (CC) course change to see that it is current UTC and logically follows the COG course presently being sailed.

Sailonline.org - Sailon	iline 🗴 🛛 🗞 qtVIm_documentation_e 🗴 🖕 brainaids Sailonline Tool: 🗴 📄 🖸 Sailaway using qtVIm Ad 🗴 📃 Sailonline.org - Sailonline.org - Sailonline.org - Sailonline.org - Online Sa	×   + -	3 ×
← → C ☆ ③ Not secure   sol.kroppyer.nl,	/qtvIm2dc/	* 📇 *	Θ :
€ Fung Loy Kok Instit 🤱 New Router 📀 The North	ern Chan 🔟 Sailonline.org - Onli 🔇 LakeErie Squid 🔇 Bayview Yacht Club 💶 SOL Tutorial 🔇 QtVLM   Solfans 🛞 Routing for Non-Ro 🥝 sol.kroppyer.nl/qt	vi	
QtVLM route converter			Â
New version. If it doesn't work for you, try the old Converts the output files of QtVLM to the format acc Don't blindly follow your router, keep using your grey Export your route via menu: Routes -> Edit route -> [	version here. epted by brainaids DC editor. <i>cells!</i> your route]:		
QtVLM route file (csv) Choose File No file chosen Convert to brainaid DC format			- 1
Using file: Tall Ships Asia 2020 Race 2 version 27.csr Using columns: Date a state&time, formatting: of TWA a sign for TWA 2004 as the file of the set	CC: 2020/09/26 22:28:90 cc 253.22 2020/09/26 22:38:90 cc 253.22 2020/09/26 20:38:90 cc 253		
2202/08/26 21:13:00 tw -62.66 2202/08/26 21:15:00 tw -62.84 2020/08/26 21:31:30 tw -63.01 2202/08/26 21:31:30 tw -63.19 2202/08/26 21:31:30 tw -63.15 2202/08/26 21:31:30:00 tw -63.51 2202/08/26 21:31:30:00 tw -63.51 2202/08/26 21:31:40:00 tw -63.78 2202/08/26 21:31:40:00 tw -63.78 2020/08/26 21:51:50:00 tw -64	2026/09/2/6 23:13:09 cc 253.22 2026/09/2/6 23:14:09 cc 253.22 2026/09/2/6 23:14:09 cc 253.22 2026/09/2/6 23:14:09 cc 253.22		
2020/08/27 00:03:00 twa -64.08	2020/08/27 00:03:00 cc 253.22	Shov	r all X
# 🕑 🖬 🧿 🔯 📓	<u>. )</u>	民 %⊡ 다)) // ENG 6:35 PM US 26/08/20	20

You have to decide whether you want to populate SOL with TWA or COG (CC) Delayed Commands. Most of the time it will likely be COG but not always! Now capture all of the data lines for copying and pasting to BrainAid's DC Editor subject to the following. It can take up to 5 minutes for BrainAid to populate SOL since the server is usually busy posting new Grib downloads being converted by all the racers. Check the UTC time and leave out the first lines that are too close to the current time. (Download a UTC Clock from the internet and add to your desktop tool bar.)



Now go to BrainAid and open the DC Editor. The DC Editor box is currently populated with the last Grib file data. Capture and delete the data.

😵 sol.kroppyer.nl/qtvlm2dc 🗙 🛛 🔝 Sailonline.org - Sailonline 🗴 🛛 🎯 qtVlm_documentation_e: 🗙	👍 brainaids Sailonline Tool: 🗙 🖸 Sailaway using qtVlm Ad: 🗙   🛄 Sailonline.org - Sailonlini: 🗙   🛄 Sailonline.org - Online Si: 🗙   🕂 🥌 🍊 🗙
← → C ☆ ③ Not secure   sol.brainaid.de/sailonline/toolbox/?sid=ou1o27dvaho	f8pnrtm8d9ev527 🖈 🛱 🗄 :
😢 Fung Loy Kok Instit 🤱 New Router 📀 The Northern Chan 🔟 Sailonline.org - Onli 🧉	🕽 LakeErie Squid 🔇 Bayview Yacht Club 🖸 SOL Tutorial 🥝 QtVLM   Solfans 🛞 Routing for Non-Ro 🚱 sol.kroppyer.nl/qtvl
VACHITACING SIMULATOR	Welcome Satori. * Boat: Satori Race: Sailonline's Tall Ships Asia 2020 - Race 2
Home Chart and Inb Polar DC editor Navigation Weather D This To Fix Bad Posture More are using weat More	Define         Extent as nynymath mixer of net are net net nyn pri line. Examples:         Digforge net net net net net net net net net ne
ø weather_114_globgrb ^	Show all X
# 😋 🖬 💿 🔯 🔕 🖬	∧ 🖪 🚾 ⊄0) 🖉 ENG 6-37 PM US 26/08/2020 🖵

The emptied box ready for you to paste in the new DC commands.

🛇 sol.kroppyer.nl/qtvlm2dc x   🔟 Sailonline.org - Sailonline x   🤣 qtVlm_documentation_er x 🕁 brainaids Sailonline Tooli x	🖸 Sailaway using qtVlm Ad 🗴   🛄 Sailonline.org - Sailonlini: X   🛄 Sailonline.org - Online S: X   + - 🗗 X
← → C 🏠 🔺 Not secure   sol.brainaid.de/sailonline/toolbox/?sid=ou1o27dvahcf8pnrtm8d9ev527	x) 📇 🛊 \Theta 🗄
😢 Fung Loy Kok Instit 🤱 New Router 😐 The Northern Chan 🔟 Sailonline.org - Onli 🔇 LakeErie Squid 🔇 Bayview Yacl	nt Club 📭 SOL Tutorial 🔇 QtVLM   Solfans 🛞 Routing for Non-Ro 📀 sol.kroppyer.nl/qtvl
SAIL ONLINE ORG VACHTRACING SIMULATOR	Welcome Satori. * Race: Sailonline's Tall Ships Asia 2020 - Race 2 Logout
Home Chart and Info Polar DC editor Navigation Weather	DC editor /mm/dd hh:mm:ss cc[tuw degrees, one entry per line, Examples: 2010/02/07 19:00:00 tuw -140.5 2010/02/07 10:30:20 cc 235.2
	Revert Apply
Ø wester_114.globgrb ∧ ■ ② ③ ③ ④ ④ ◎	Show all × ∧ ⊇ % 0 40

Paste in the new DC commands. Double check the first line – time and course. Click Apply.



Go immediately to SOL and the DC Command box and start repeatingly clicking Refresh  $\downarrow$  until the BrainAid site **b** at the top of your screen stops rotating  $\downarrow$  i.e. transfer task completed. The transfer function deletes the old and adds the new DC's. Scan the DC's tacks and gybes. Sometimes there will be too many close together which requires a reoptimization of the Route or manual intervention at the time. 5 minutes is the command default Qt interval in its settings which can be changed in Qt.

🔕 solkroppyer/l/qt/m2d: x 🗓 Sailonlineorg - Sailonline x 🔕 qtVlm_documentation_e: x   🖞 brainaids Sailonline Tool: x   o Sailaway using qtVlm Ad: x   û Sailonlineorg - Sailonlin: x   û Sailonlineorg - Online S: x   + 0	э ×
← → C û 🔺 Not secure   sailonline.org/breezy/trun/1381/	Θ:
🏽 Fung Loy Kok Instit 👶 New Router 🕘 The Northern Chan 🚺 Sailonline.org - Onli 🌍 Islatifies Squid 🥥 Bayview Yacht Club 💶 SOL Tutorial 🛞 QVLM   Solfans 🐧 Routing for Non-Ro 🚱 solktoppyer.nl/qbul	
Partnermon 2 All Shows A stars 24 400 m Res 2. Increase in Mobility / Balance / Ba	<b>*</b>
State         Table         Table <th< td=""><td></td></th<>	
10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         100000         100000         100000         100000         100000         100000         100000         100000         100000         100000         100000         100000         100000         100000         100000         100000         1000000         1000000         10000000         100000000         100000000         1000000000         1000000000000000000000000000000000000	
1 1 11 112 112 112 112 112 112 112 112	
110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 110 20 11	
2000/27/01130 002/252310 2000/27/01130 002/252310 2000/27/01130 002/252310 2000/27/01130 002/252310 2000/27/01130 002/252310 2000/27/01130 002/252310	
Barry         Hole         <	*
Show	rall ×
📲 💽 🐂 💿 💁 🛐 💁 🛝 🖬 🖉 🔊	

Remember to press the Reset so that it shows the course being sailed as shown in the dashboard. The DC Command does not change the course setting displayed in the Command Box. Many accidental tacks and gybes have occurred from pressing the Set Boat Course with the wrong course in the box!



Go back to Qt and open Route Settings page to look at the Histograms and Statistics

QtVIm View Grib Boat Routings	Routes Pathways Barrier	s Marks Contr	bute Help	8/26/2020 21:00	18 09/03/2020 00	800)														· ^
	💊 Route settings																? ×			
Ref : 08/26/2020 21:00 Wed 08/26/2020 22:43 (UTC)	Route Route logbook Hi	istograms Statis																	COG: 2 SOG: 3	53* 4kts
	Export (CSV format)	🕖 🔵 🗩 With	raw data											O HDG deviation	1 0° 📄 (	Interval	5 min 🗘	11	1	1 .
Position																COMB WAVES		1 1	11	
WP	08/26/2020 22:28 👍	8.36 kts 192.04°	61.18° N/A	3.37 kts 253.2	2° 3.37 kts 253	.22° 10.41 kts	44.71° N/	A N/A								N/A	N	1 1	omus	-1
NMEA	08/26/2020 22:33 🚽	8.28 kts 191.91*	61.31* N/A	3.43 kts 253.2	2* 3.43 kts 253	.22* 10.37 kts	44.45* N/	A N/A												1 .
Anchor	08/26/2020 22:38 鹶	8.20 kts 191.76°	61.46° N/A	3.42 kts 253.2	2° 3.42 kts 253	-22° 10.28 kts	44.47° N/	A N/A											Store M	
Polar: boat_TSB3.csv	08/26/2020 22:43 鹶	8.12 kts 191.60°	61.62* N/A	3.41 kts 253.2	2° 3.41 kts 253	.22° 10.19 kts	44.49° N/J	N/A											1 1	11.
	08/26/2020 22:48 鹶	8.04 kts 191.44°	61.78" N/A	3.40 kts 253.2	2° 3.40 kts 253	22° 10.11 kts	44.52° N//	N/A												11.
	08/26/2020 22:53 🞐	7.97 kts 191.27°	61.95° N/A	3.40 kts 253.2	2° 3.40 kts 253	.22° 10.02 kts	44.54° N/J	N/A												1 1 .
15 30	08/26/2020 22:58 🞐	7.89 kts 191.10*	62.12" N/A	3.39 kts 253.2	2* 3.39 kts 253	.22* 9.94 kts	44.58° N//	N/A												1 1
	08/26/2020 23:03 🔶	7.82 kts 190.92°	62.30° N/A	3.38 kts 253.2	2° 3.38 kts 253	.22° 9.86 kts	44.62° N//	N/A												1 1
	08/26/2020 23:08 🔶	7.76 kts 190.74*	62.48* N/A	3.38 kts 253.2	2* 3.38 kts 253	.22* 9.79 kts	44.66* N/	A N/A												
	08/26/2020 23:13 🔶	7.70 kts 190.56°	62.66° N/A	3.37 kts 253.2	2° 3.37 kts 253	.22° 9.72 kts	44.71° N/	N/A												 + +
	08/26/2020 23:18 🔶	7.64 kts 190.38*	62.84* N/A	3.37 kts 253.2	2* 3.37 kts 253	.22* 9.66 kts	44.75° N/	N/A												· · ·
	08/26/2020 23:23 🔶	7.59 kts 190.20°	63.01° N/A	3.37 kts 253.2	2° 3.37 kts 253	22° 9.60 kts	44.80° N/	N/A												
	08/26/2020 23:28 🔶	7.55 kts 190.03°	63.19* N/A	3.36 kts 253.2	2° 3.36 kts 253	.22° 9.55 kts	44.87° N/J	N/A												
	08/26/2020 23:33 🞐	7.51 kts 189.87*	63.35" N/A	3.36 kts 253.2	2" 3.36 kts 253	.22* 9.51 kts	44.93° N/	N/A												L L L
130	08/26/2020 23:38 💠	7.49 kts 189.71°	63.51° N/A	3.36 kts 253.2	2° 3.36 kts 253	.22° 9.48 kts	44.99° N/J	N/A												ב 1 1
13	08/26/2020 23:43	7.46 kts 189.56*	63.65* N/A	3.36 kts 253.2	2* 3.36 kts 253	.22* 9.45 kts	45.06* N/	A N/A		N/A										ב 1 1
150	08/26/2020 23:48 🝨	7.45 kts 189.43°	63.78° N/A	3.37 kts 253.2	2° 3.37 kts 253	.22° 9.44 kts	45.12° N/	A N/A		N/A										ב ב ב
	08/26/2020 23:53	7.45 kts 189.32*	63.90* N/A	3.37 kts 253.2	2* 3.37 kts 253	.22* 9.43 kts	45.18° N/	A N/A												ר ב ב
3.4 kts	08/26/2020 23:58	7.46 kts 189.22°	64.00° N/A	3.38 kts 253.2	2° 3.38 kts 253	.22° 9.44 kts	45.24° N/	A N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A				ר ב ב
							Close											11.		
Wind 191.3°. 8.6 kts 02°27'43"N 107°15	5'16"F - 254.3º 4.7 nm																			No WP
<b># C = C</b>	02 🔘 🚳	۵	W														^ 🖪 🐿	10) (7. ENG	6:44 PM	1 020

16



There are a number of Histograms available in the drop-down. This is TWS for the Route duration.

Here are the Statistics for the <u>remaining</u> duration of the Route. An early look at this before populating SOL with the new Grib DC's will tell you if there are too many tacks and gybes requiring Route editing. From the Navigation Time plus the current UTC you can work out ETA at finish line.

🚯 qtVIm 64 bits 5.9-11-p1 (meltemus) slot1: weather_114_global_gfs_20200826_2222.grb (from	08/26/2020 21:00 to 09/03/2020	06:00)				-	o ×
QtVlm View Grib Boat Routings Routes Pathways Barriers Marks Contribute Help							
Route settings					?	×	
Control Route Route logbook Hetrograms Statistics							
NMEA							11
Anchor	Great circle distance	185.75 NM	Distance travelled	185.70 NM			S STORE A STORE
Polar: boat_TSB3.csv	SOG (min/avg/max)	3.36 / 4.35 / 4.93 kts	TWS (min/avg/max)	7.45 / 10.97 / 13.77 kts			1 1 1
	TWD (avg)		CAPE (avg/max)				
	Currents (min/avg/max)		Waves (max)				
15	Navigation time	1 days 18h 39min	Engine				1 1 1 .
a	Night	0 days 20h 31min (48.1%)	Rain				1 1 1 .
6	Tacks/Gybes	0/0	Beating	1 days 15h 48min (93.3%)			1 1 1
	Downwind		Reaching	0 days 2h 50min (6.6%)			
253° 3.42 , , , , , , , , , , , , , , , , , ,				<u> </u>			
						ENG (	5:45 PM
					~	US 26	/08/2020

\delta qtVIm 64 bits 5.9-11-p1 (meltemus) slot1: weather\_114\_global\_gfs\_20200826\_2222.grb (from 08/26/2020 21:00 to 09/03/2020 06:00) CP. 0 🔣 🔛 🔛 😂 🕚 🌗 • • 11 4 30 m D 18.09 459 6.212539 3.4210.011-98 محور ∧ 🖪 🐿 Φ)) 🦟 <sup>ENG</sup> 6:46 PM 🖓 -O 🔯 🖸 ۷ 🚺 1

You are now looking at the newly edited Route using the latest Grib file. Note the Finish Line ETA

On the next screen I have AIS on. While it clutters the screen, particularly when their courses eventually trail them, I like to click on them because the boat and their NMEA data shows up i.e. SOG (rounded to one decimal place), COG and direct distance to assist in watching and covering the competition!

🔞 qtVlm 64 bits 5.9-11-p1 (meltemus) slot1: weather_114_global_gfs_20200827_0422.grb (from 08/27/2020 03:00 to 09/03/2020 12:00)	– o ×
QYMm View Grb Boat Routings Routes Pathways Barriers Marks Contribute Help	
🔢 🔛 🔛 🔛 🚳 🕼 🛈 🗍 1) 🕆 🍳 🔍 🔍 📃 🥄 🗡 👬 🏌 🏆 🚍 🎌 🕸 🧶 🗶 🚺 🗛 🙆 🦿 🦓	
	9E COG: 248* SOG: 4.0tcs
Postion PS1-2005958	
Speed and Heading	
	ען עאר בבני.
Actor	
Pder: bael_1383.csv	
Max speed:	
100.07%	
	. د د د د د د که آ
(57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0%/80.0%) (57.0\%/80.0\%) (57.0\%/80.0\%) (57.0\%/80.0\%) (57.0\%/80.0\%) (57.0\%/80.0\%) (57.0\%/80.0\%) (57.0\%/80.0\%) (57.0\%/80.0\%) (57.0\%/80.0\%) (57.0\%/80.0\%) (57.0\%/80.0\%) (57.0\%/80.0\%) (57.0\%/80.0\%) (57.0\%/80.0\%) (57.0\%/80.0\%) (57.0\%/80.0\%) (57.0\%/80.0\%) (57.0\%/80.0\%) (57.0\%/80.0\%) (57.0\%/80.0\%) (57.0\%/80.0\%) (57.0\%/80.0\%) (57.0\%/80.0\%) (57.0\%/80.0\%) (57.0\%/80.0\%) (57.0\%/80.0\%) (57.0\%/80.0\%) (57.0\%) (57.0\%/80.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%) (57.0\%)	
24804 0 (	. ואלו נונוני.
Wind 188,8% 10.7 [stc0295013] 108551559 - 30519 7.4m	No WP
📲 💽 🐂 😨 💩 🛯 🔬 🔕 📾	へ 💽 🐿 Φ)) 🦟 ENG 12:37 AM US 27/08/2020