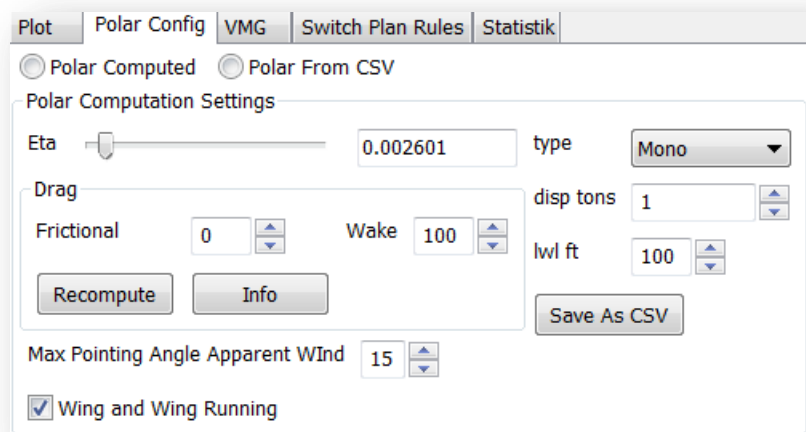
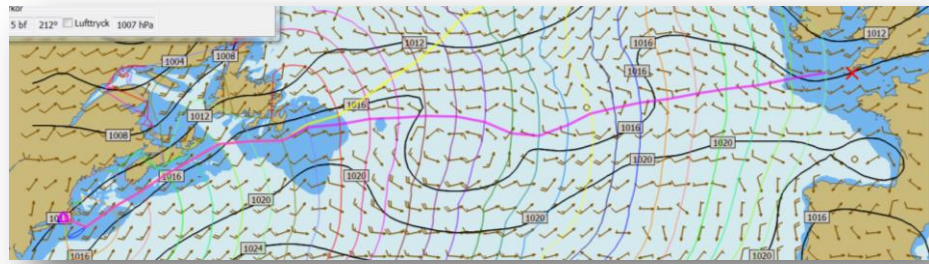


- Files "Boat.xml" and "WeatherRoutingConfiguration.xml" are placed in C:\ProgramData\opencpn\plugins\weather_routing
- Start OpenCPN
- Open Weather routing plugin
 - o WeatherRoutingConfiguration.xml is loaded automatically (! How would you know that??)
- Get grib file covering the Atlantic from www.grib.us
- Update weather route start time to "Grib time"
- Hit compute
 - o Only got us 881/2738 of the way.
- Changed "Time step" to 12h and hit compute
 - o Got us 951/2738 of the way. Progressing!!
- Changed "Time step" to 6h and hit compute
 - o Got us 985/2738 of the way. Closing in!!
- Changed "Time step" to 3h and hit compute
 - o Got us 995/2738 of the way. Still too far away. I know we won't get there.
- Start playing with the Boat dialog. On the Plot tab I hit the arrows for "True Wind Kts"
 - o The polar is changing nicely. But the frames displaying "True Wind", "Apparent Wind" and "Boat" does not change until the entry field for "True Wind Kts" loses focus.
 - It could absolutely be argued how you would anticipate that to happen as the three frames are feedback from mouse movement on the polar itself. But then it should perhaps be so that the 3 frames are put in some kind of intermediate state when the "True Wind Kts" is changed?
 - o Changed "Polar Config" into some arbitrary numbers:

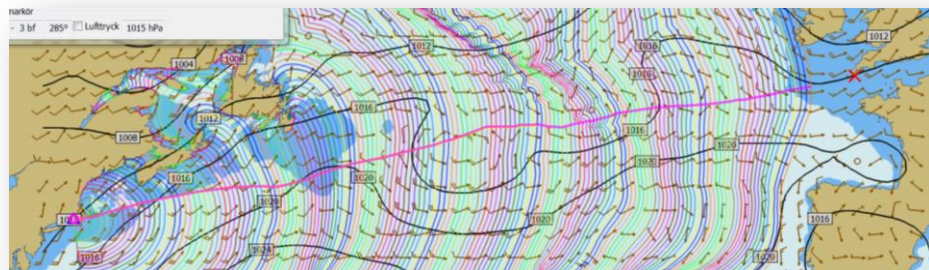


- to see if we can make to Lizard in time (of the grib)
- Change "Time step" to 6h and hit compute. Oh so close!
 - o It got us 2783/2738 miles! More miles covered than the shortest route, but not enough! Crap. So close to Lizard – look at the map below...



Try to shorten the time step...

- At a “Time step” of 3h it still fails. Gets further from Lizard...
- At a “Time step” of 1h it consumes 1 core more or less totally. I am in suspense – it is moving cross the Atlantic. But it failed, although it is a ‘nearly’ straight line. The route made 2687/2738 miles. Just look below



- Save the computed to a polar file called "boat_test.csv"
 - o Not very interesting content of that file though
- Changing "Boat"."Polar Config"."Wake" to zero (0) to see if anything interesting might happen.
- Also increasing "Time step" to 3h again
 - o Oh. We 'made' it. Perhaps. Some relativistic effects have come into play. Einstein is here. We start at 2014-07-14 19:00 and end at 2012-05-05 23:06. With a reported duration of "-799d -9:-54" and we have covered a distance of 3759/2738 in a rather aggressive route. See map below

