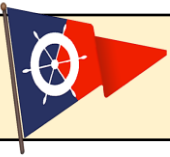


## QUARTERMASTER YACHT CLUB – OpenCPN Tech Talk

# OpenCPN Chart Plotter – Project Data

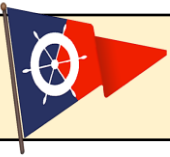
Title:	FREE OpenCPN chart plotter software
Objective:	Show the features of OpenCPN, how to download it, how to get charts and discuss the help that QYC will offer to install OpenCPN and charts on student computers
Speaker(s):	Kevin Jones, Rick Oppegaard, Perry Hansen
QYC Only?:	No
Date:	26 Oct, 2016
Time:	7 – 9 PM
Duration:	120 minutes
Location:	Vashon Library
Space Required:	Room with tables, chairs and projection screen
Supplies to bring:	Laptop and power cable, projector and power cable, laptop to projector cable, USB GPS antenna
Tools to bring:	None
Props & Examples:	None
Advertising plan:	Advertise tech talk w/ flyer at QMM, library, grocery store, HW store, Burton Boat, QYC (Meyers Hut, top of hill bulletin board, dock gate), preview at QYC meeting



## QUARTERMASTER YACHT CLUB – OpenCPN Tech Talk

# OpenCPN Chart Plotter – Time Mgmt

- 7:00 Welcome / Overview / Approach
- 7:10 OpenCPN Features
- 8:00 Limitations
- 8:15 Download OpenCPN to student devices
- 8:25 Download US charts to student devices
- 8:35 Download global charts to student devices
- 8:45 Student surveys
- 8:50 Pack equipment
- 9:00 Done

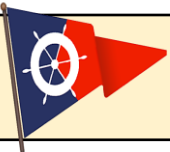


# WELCOME to QYC Tech Talks!

- A Tech Talk is...
  - An exchange of information, ideas and experience
  - More dialogue than “teaching”
  - A little structure
- We encourage...
  - Listening, learning & contributing
  - Discussion and debate
  - Questions
- Our next Tech Talk is:
  - 16 November, 2016 at 7PM – Rescue & Lifesaving Essentials

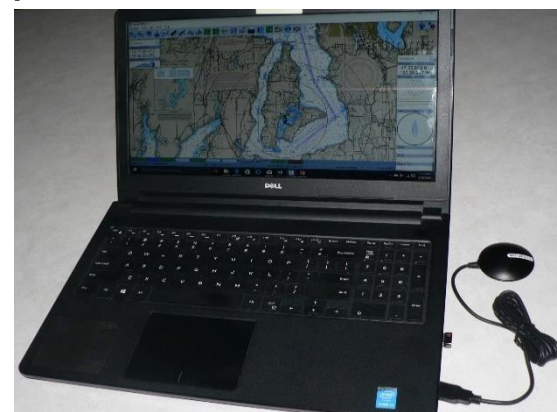


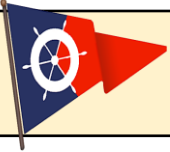
Together, to Learn From Each Other



## OpenCPN Chart Plotter - Overview

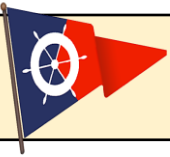
- Free PC based chart plotter / navigation software & worldwide charts
- Connects with & displays vessel navigation equipment data
- Key features:
  - Chart plotter showing ships position
  - Chart management
  - Waypoints & routes / Route manager
  - Tides & currents
  - Man overboard feature
  - AIS data display
  - Anchor watch
  - Weather data overlay
  - User guide





## OpenCPN Chart Plotter - Approach

- Provide demo of OpenCPN capabilities - today
- How to find OpenCPN software for download - today
- OpenCPN / Chart download and setup
  - Separate session if desired
- OpenCPN advanced user options – future?
- OpenCPN integration with your boat nav system
  - Maybe



# OpenCPN Chart Plotter – GRIB Request

- Initiate request using OpenCPN
- Email to [Query@saildocs.com](mailto:Query@saildocs.com)

**From:** [Kevin Jones](#)

**Sent:** Tuesday, June 21, 2016 10:42 PM

**To:** [Query@saildocs.com](mailto:Query@saildocs.com)

**Subject:** thanks

send GFS:52N,48N,130W,120W|0.25,0.25|0,6,12..72|WIND,PRESS,GUST

- Download file from return email

**From:** [query-reply@saildocs.com](mailto:query-reply@saildocs.com)

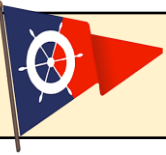
**Sent:** Tuesday, June 21, 2016 10:43 PM

**To:** [Kevin Jones](#)

**Subject:** GFS:52N,48N,130W,120W

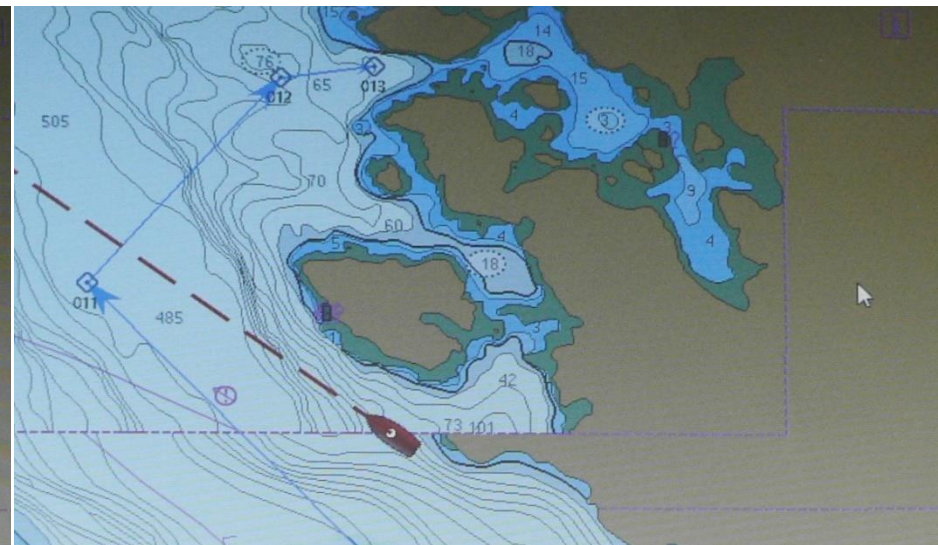
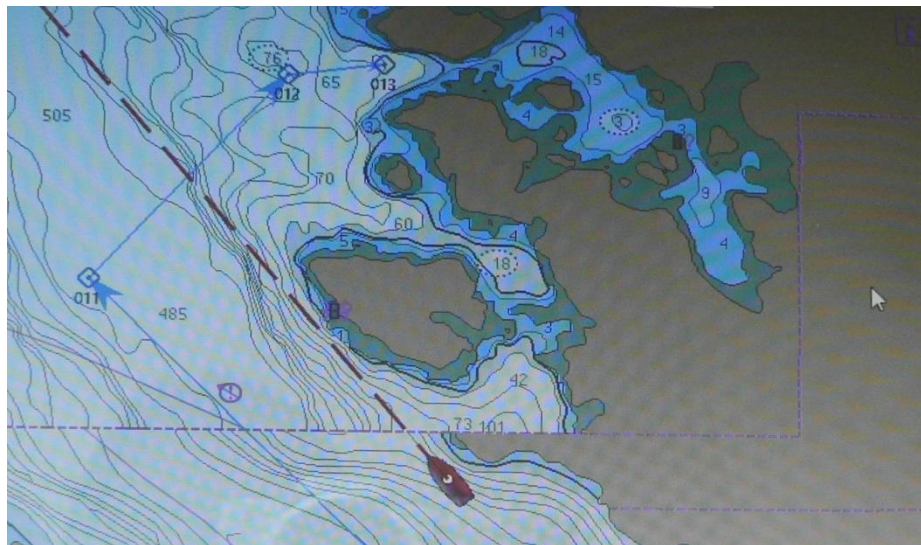
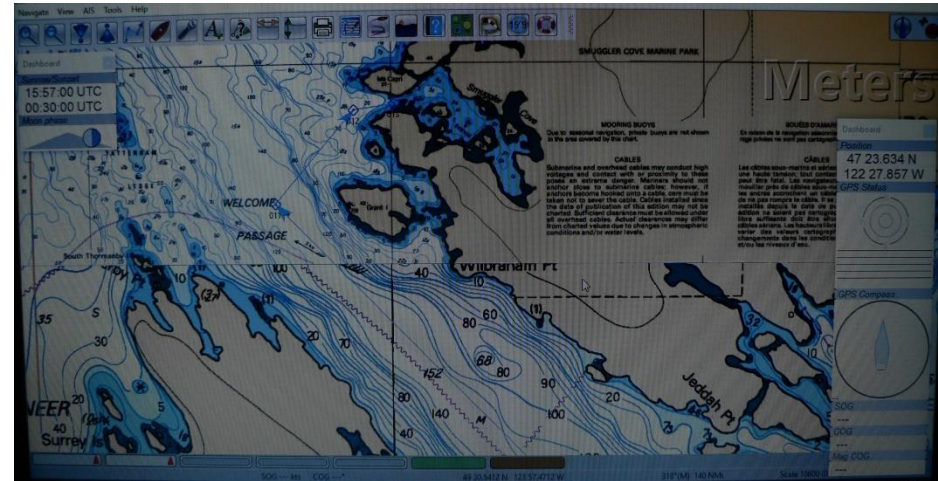
Grib extracted from file gfs160622-00z.grb dated 2016/06/22 04:56:08

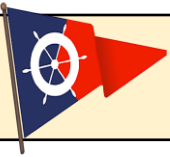
request code: GFS:52N,48N,130W,120W|0.25,0.25|0,6,12..72|WIND,PRESS,GUST



## OpenCPN Chart Plotter - Limitations

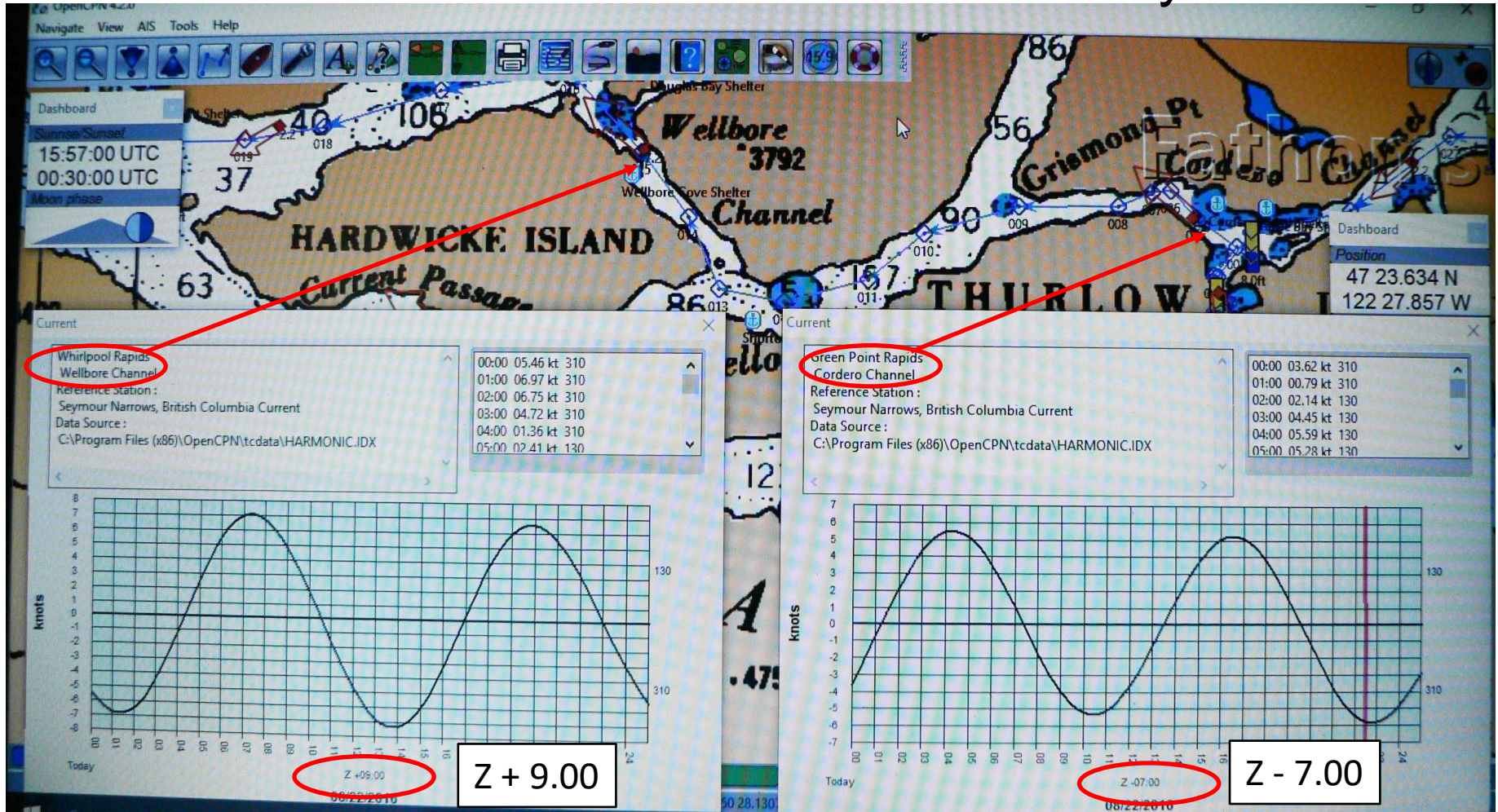
### ■ Vector chart quilting



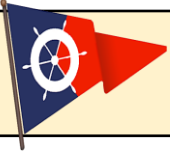


## OpenCPN Chart Plotter - Limitations

- Current Plot Time Offset Inconsistency

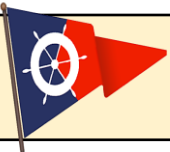






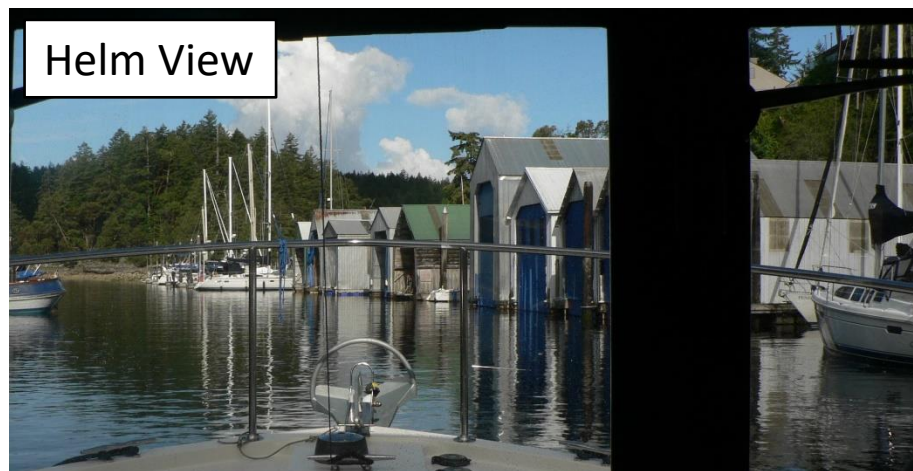
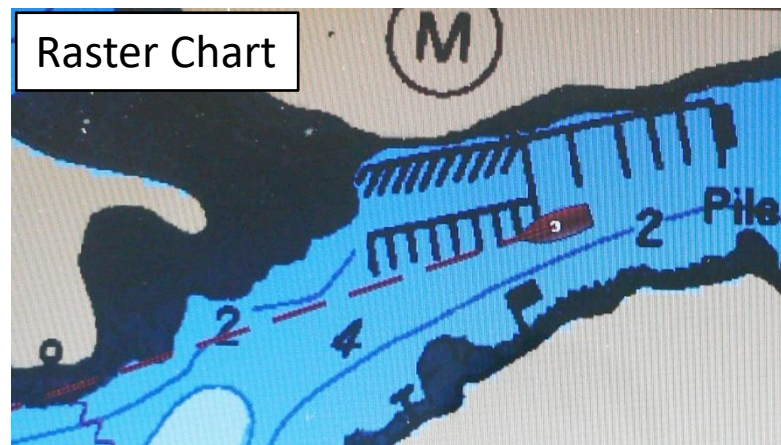
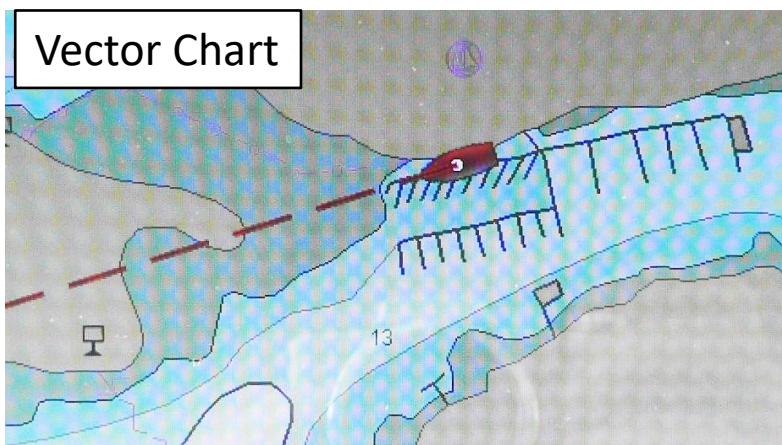
## OpenCPN Chart Plotter - Limitations

- Some Tide Plot units in meters
  - Even though depth units = Feet
    - Texada Mines
    - Squitty Bay (Lasqueti Island)
    - Comox
    - Nanoose Bay
    - Crofton
    - Probably others

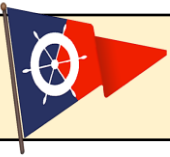


# OpenCPN Chart Plotter - Limitations

- Chart position data inaccuracies – Secret Cove

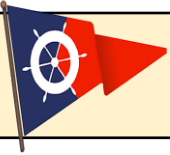


Discussed in detail at Nautical Chart Accuracy Limits Tech Talk



## OpenCPN Chart Plotter – Where to find

- <http://opencpn.org/ocpn/download>
- Global chart file: Cm93 jan 2011
- Canadian chart file: NDI folder



**QUARTERMASTER YACHT CLUB – OpenCPN Tech Talk**

# OpenCPN Chart Plotter

---

QUESTIONS?