

Welcome

The background is a solid teal color. On the right side, there are several decorative elements: a large, semi-transparent pie chart with three segments, and several smaller, semi-transparent pie charts of varying sizes scattered around it. In the bottom right corner, there is a bar chart with four vertical bars of increasing height from left to right.

...To my neighborhood

Tunes

HamClock

Developed by software engineer Elwood
Downey, WB0OEW



N7MDB

Up 20s WiFi -37 dBm Ver 3.00

19:39 30

Wed Sep 20, 2023

UTC

Live Spots

of CN85 - PSK 30 mins

160m	0	17m	128
80m	1	15m	355
60m	0	12m	2
40m	21	10m	77
30m	4	6m	0
20m	375	2m	0

Counts

C1.1



- NCDXF
- ▲ 14.10
 - ▲ 18.11
 - ▲ 21.15
 - ▲ 24.93
 - ▲ 28.20

DE: UTC-8

11:39 Sep 20

46N 123W

CN85 S in 6:31 R 5:42 ago

DX: UTC+0

19:39 Sep 20

47N 6W

IN77 R in 10:31 S 1:14 ago

4983_i@40_{SP}

Terrain





HamClock

It's a free software that runs on Raspberry Pi, or other Unix like operating systems.

Download info can be found at: https:

www.clearskyinstitute.com/ham/HamClock/

A company called inovato has taken the HamClock a step further & created Quadra.

Quadra is a complete system that's marketed as an alternative to the Raspberry Pi. It's a single board computer that doesn't require a case, heatsink, power cable, or Micro SD card to work.



inovato Quadra

All hardware comes in a bundle and can be purchased on Inovato website: <https://inovato.com/>

The bundle comes with: Quadra Ham PC, USB power adapter & cable, HDMI cable, stand, fan, USB hub, and additional software. Cost is \$49.

For additional \$10 you get a mini keyboard that makes it easier to navigate the screens.



Websites

There are a lot of great youtube videos on HamClock. The following gives a good break down of the different kinds of info HamClock can provide you.

<https://youtu.be/Rq59jY74fm8?si=OOQG2BiVDYYMypdS>

Ok let's get started. We'll take a look at the different areas on the HamClock and its various screens.



HamClock Notes:

Here's what the main screen looks like.

Panel 1 DE: This info pertains to your QTH, and is entered during the initial setup.

Panel 2 DX: Provides info about the callsign your interested in contacting. Time, lat/long, sunrise/sunset, grid sq, & distant to that location. It also can provide (left corner) satellite tracking info.

Panels 3,4,&5: are the larger panels on the top of the screen, & can provide a variety of info.



HamClock Notes Continued

ADIF: option can be setup during the initial start-up, and it shows the last 1000 QSO's that you've logged.

BZ/BT: shows magnetic field near earth.

Contest: shows current or upcoming.

DE & DX: show the weather conditions at the locations you've chosen.

DRAP: shows solar energy on the absorption rate, or D-layer , important info if your dxing.



HamClock Notes Continues

Livespot: spots received from wspr/psk, or reverse beacon. This info helps to better understand propagation from your location.

Pota & Sota: latest spots for those hunting activated parks, or on mountaintops.

SDO: current images of solar info.

Solar wind: 24 hrs history of solar wind activity.

NOAA space wx: info on radio black-outs, solar radiation storms, & geomagnetic storms.



HamClock Notes Continue

VOACAP: propagation predictions in the HF bands. And show the signal reliability in each band.

Planetary K, Solar Flux, & X-Ray: are additional tools to help in predicting good hf propagation.

Panel 6: shows **NCDXF:** this is beacon and can be use to show band performance. **Space weather:** additional info that affects band conditions. And finally **DE & DX:** shows the weather conditions for those areas.areas.



HamClock Notes Continue

Main map display: Can be formatted in a number of different styles.