

Bonner County Amateur Radio Club

July 9, 2025

VFW Post

1325 Pine Street, Sandpoint, ID 83864

18:00 hrs. – Informal Get Together

18:30 hrs. - Meeting

Welcome & Pledge of Allegiance

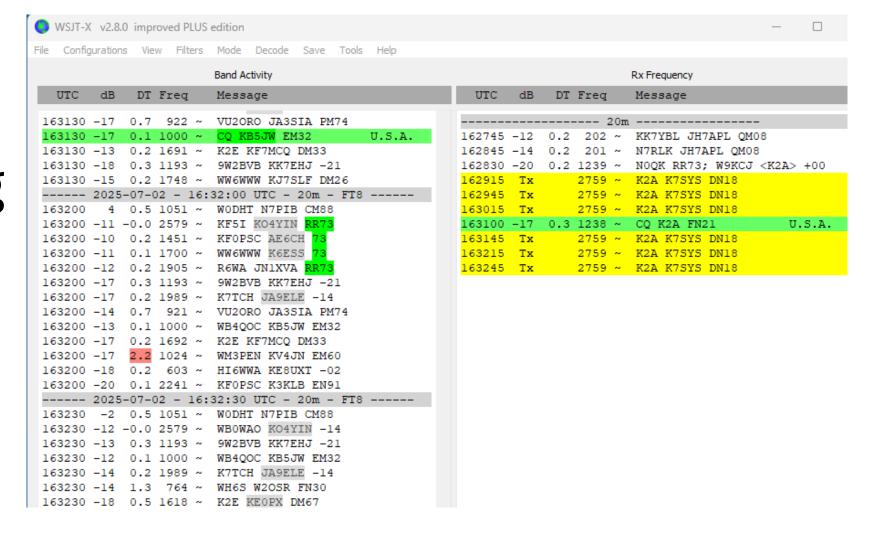
- Welcome
 - New/Upgraded Amateur Radio Operators
 - "Around the room"
- Please use a mic!





Understanding FT8 and FT4 Functionality

Joe Mauk W7KMJ & John Kludt K7SYS

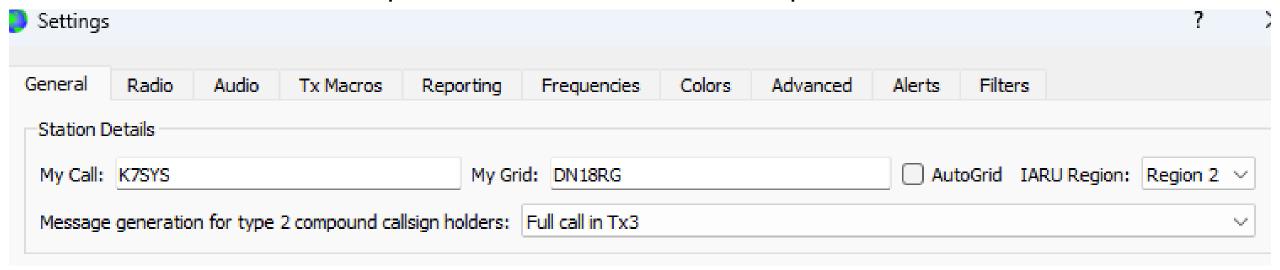


What is FT8?

- Part of the WSJT-X Suite of programs
 - Written by Joe Taylor, K1JT
 - Nobel Laureate, Princeton, in Physics
- What is the point of FT8?
 - It stands for "Franke-Taylor design, 8-frequency shift keying". FT8 uses sophisticated coding and signal processing to decode signals that are 10 to 15 dB below the noise floor. This allows hams to make contacts even when band conditions are poor and signals are weak.
- FT8 signals are always the first to appear and the last to leave the band

Focus on FT8 Function

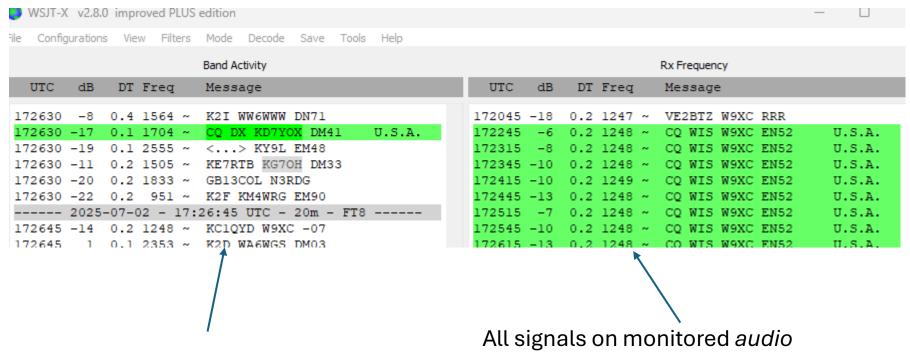
- Tonight, will not focus on installation or setup
 - Weak Signal communications system k1 JT
 - Download https://wsjt.sourceforge.io/wsjtx.html
 - WSJT-X 2.7.0 original program
 - WSJT-X 2.8.0 Improved same core but an improved user interface



WSJT-X – The Big Picture



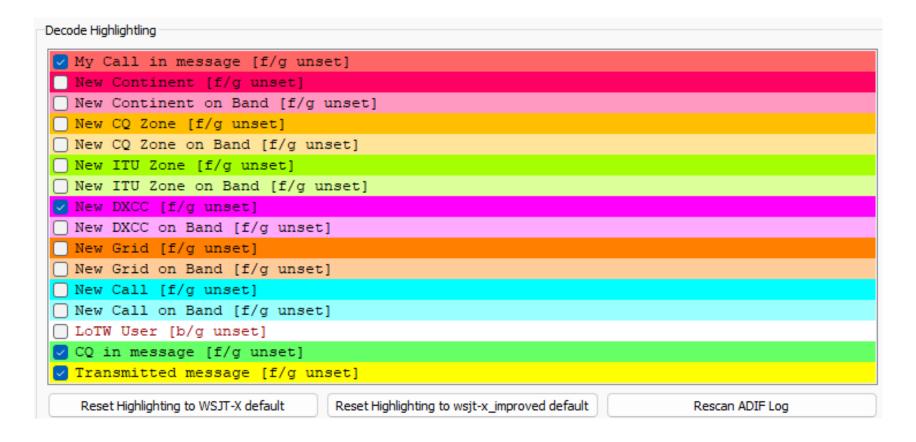
General Layout – Upper Part of Screen



Everything happening on RF frequency (in this case 20m, 14.074MHz)

All signals on monitored *audio* frequency (in this case 1247 Hz +/-)

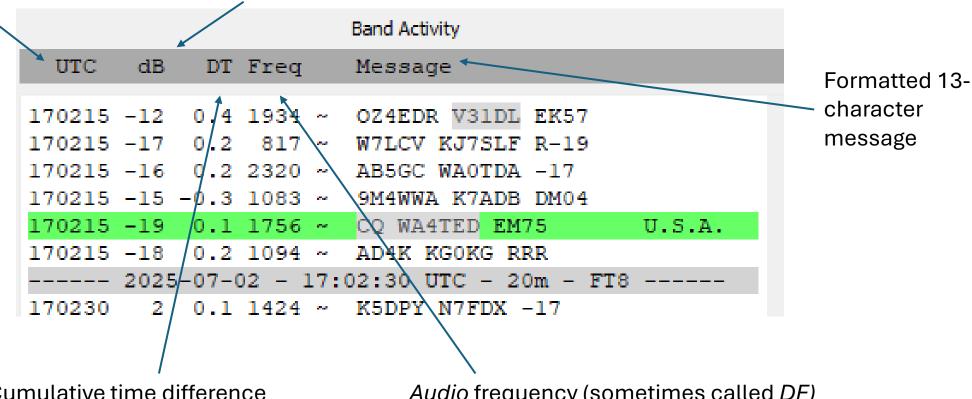
A Quick Word On Color Codes



File>Settings> Colors - There is a default setting, but you can change everything (right click) [f/g unset]

So, what does it all mean?

Signal Strength (Relative to 2.7 KHz bandpass) Time – 1st :00 & :15 or 2nd :15 & :45

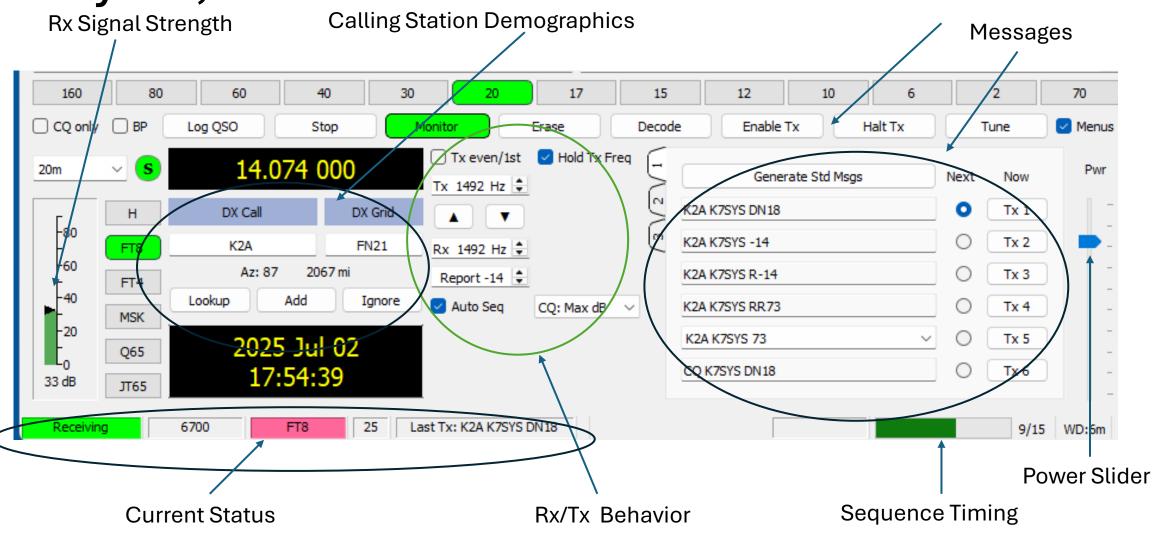


Cumulative time difference between signal received and your computer clock (should be < 1.0 sec)

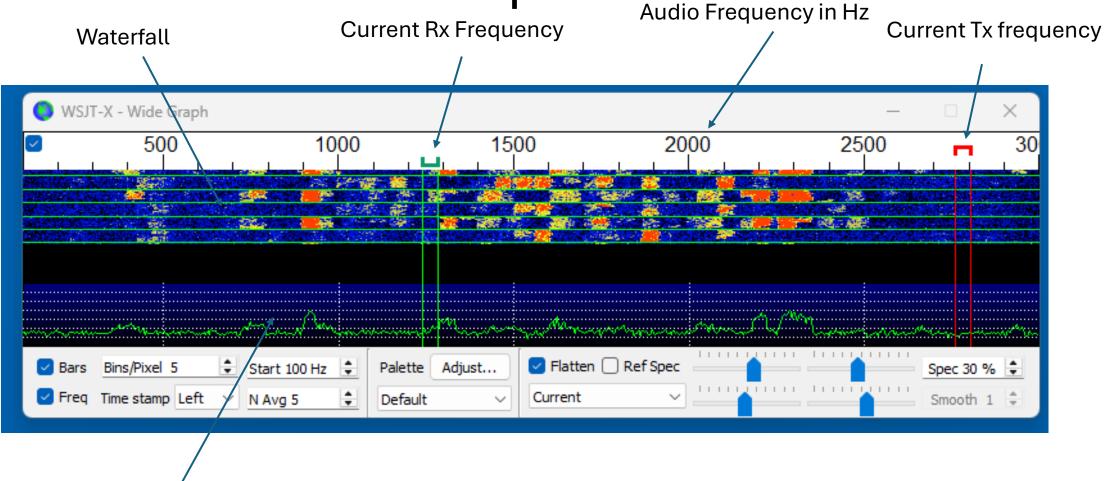
Audio frequency (sometimes called *DF*)

Layout, Lower Part of Screen

Multi - Function Bar

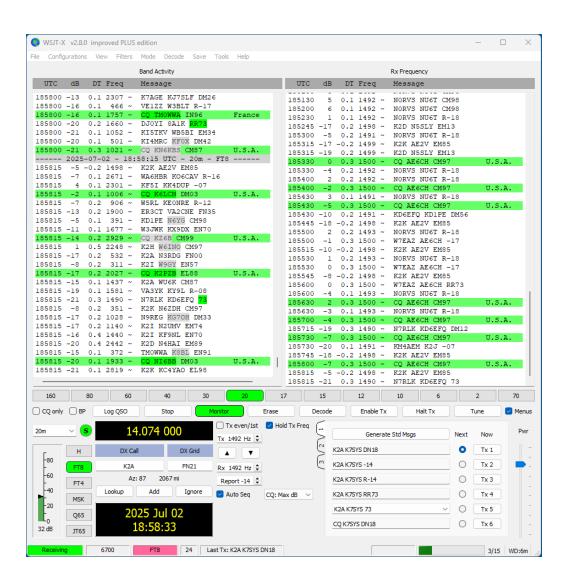


What is the Wide Graph?



Spectrum Display

Demonstration – Joe Mauk W7KMJ



BCARC Announcements



ARRL Field Day Preliminary Results

Daryl Baird, K6KRG

Bonner County Amateur Radio Club President 2025 ARRL Field Day Chairman

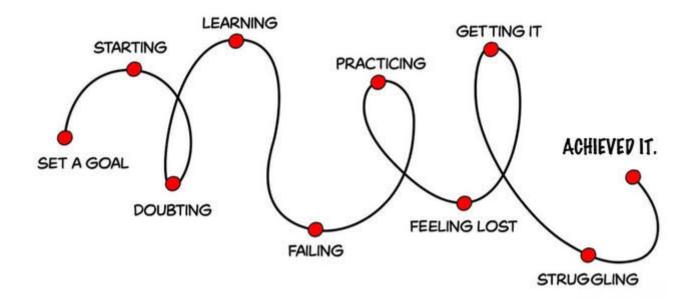
RADIO CONNECTS

www.arrl.org





HOW IT ACTUALLY WENT.



Year-over-year BCARC Field Day Scores

Year	GOTA	CW	Digi	SSB	Total QSO's	Bonus Points	Final score
2022	No	4	0	174	178	970	1334
2023	Yes	50	120	260	430	1310	2550
2024	Yes	0	259	321	580	1990	3668
2025 est.	Yes	0	479	373	852	1780	4882

2025 Field Day Operators per N3FJP

First Name	Call sign	QSO Total
Joe	W7KMJ	208
Mark	K7MEE	172
Dave	K7ZDP	127
Jim	KJ7SEN	109
Keith	K7NEB	97
Daryl	K6KRG	76
John	K7BSV	33
Paul (out of state visitor)	K6PVZ	12
Chris (out of state visitor)	WB6CDF	12
Richard	K7HUM	6

2025 Field Day GOTA Operators

First Name	Call sign	QSO Total
Alden	KN0APP	20
Kim	No call	54
Jonah	No call	9
Wayne	No call	13
Ron	No call	10
Jean	No call	4

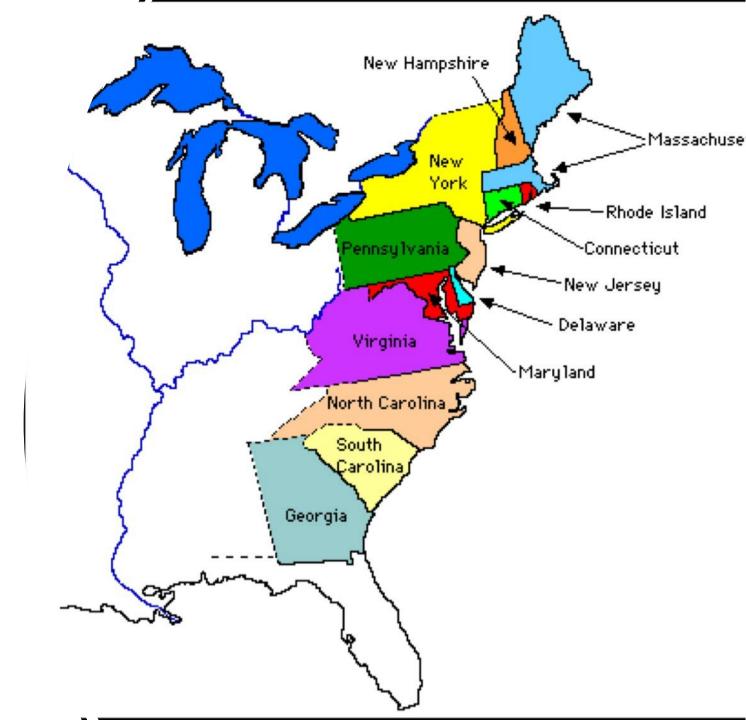
BCARC Parade Crew – Thank You!

- John K7BSV
- Ken K7FDN
- Gary K2KKB
- Judy AC6DY (plus one)
- Terry N7BDL
- Dan W7BID
- Doug W6AXR
- Keith AI6OO
- Colleen KK7KNL



13 Colonies – Stories!

- Annual event week of July 4th
 - Work the 13 original colonies
 - Bonus station WM3PEN, GB13COL, TM13COL
- Who all played in this one?
- The tough ones
 - K2E Delaware
 - K2F Maryland
 - K2K New Hampshire
- What's your story?



Upcoming Events

- BCARC Activity Day
 - August 30th
 - Round Lake Pavilion
 - Bring your portable rig or Go Box
 - For POTA People: US-2247
 - Or just play radio outdoors!
 - Must abide by park rules with antennas more information to follow
- See The COAX for other activities in the next month or two



Breakfast at Connie's Cafe 323 Cedar Street, Sandpoint ID July 26, 2025, 09:00 hrs. (Third Saturday is VEC Testing)

Next Meeting
August 13, 2025
VFW Post, Sandpoint, ID
18:00 hrs. Informal Discussions and Eyeball QSO's
18:30 hrs. Meeting
Topic
Dxpeditions In Review
Wes Lamboley, W3WL

Tic Tac Code MC, Dan Parkin W7BID