



FT-8 & FIELD DAY

Joe DeVincentis, KO8V



FT8 INTRO

- Developed by Joe Taylor, K1JT
- For weak signal contact exchange only
 - Weak signal \neq Low Power
- Perfect for Field Day (get 2 pts / contact)
- What do I use:
 - WSJT-X: <https://www.physics.princeton.edu/pulsar/k1jt/wsjsx.html>
 - JTAlert: <https://hamapps.com/>
 - Install all three (JTAlert, Sound Files and Callsign Database)
 - N3FJP: <http://n3fjp.com/fieldday.html>
 - \$9 for Field Day, \$50 for all contests



TIME

- Time is a big deal. Find a good source
- Windows has NTP issues. So its clock can drift
 - Other OSes (Mac, Linux) don't exhibit this problem.
- GPS is best source for all
 - I use a GPS with NMEATime2 (\$21 lifetime) for Windows
 - <https://visualgps.net/index.html#nmeatime2-content>
- If Internet available NTP.
 - Linux and MacOS I use the NIST servers
 - <https://tf.nist.gov/tf-cgi/servers.cgi>
 - Meinberg NTP if on windows
 - https://www.meinbergglobal.com/english/sw/ntp.htm#ntp_stable

N3FJP LOGGER MAIN SCREEN

N3FJP's ARRL Field Day Contest Log 6.2www.n3fjp.com

FileSettingsBandModeViewNetworkOperatorHelp

Current Band & Mode

Find

Recent Contacts

Last 20All

Rec	Call	Class	Sec	Date / Time	Bnd	Mode	Country	Initials	Operator
-----	------	-------	-----	-------------	-----	------	---------	----------	----------

Score Statistics

Total CW Contacts0

Total Phone Contacts0

Total DIG Contacts0

Total QSO Points0

QSOs / Hr (Last 20 min)0

QSOs / Hr (Last 60 min)0

Call

Class

Section

Ready to begin!

Please select your band and mode from the menu options!

Clear

Spot Last

Possible Duplicates

Any Portion

San Joaquin Valley Total = 0

DX

DX

1

CTRI

EMAVT

MEWMA

NH

2

ENYNNY

NLISNJ

NNJWNY

3

DEMDC

EPAWPA

4

ALSC

GASFL

KYTN

NCVA

NFLVI

PRWCF

5

ARNTX

LAOK

MSSTX

NMWTX

6

EBSCV

LAXSDG

ORGSF

PACSJV

SBVS

7

AKNV

AZOR

EWAUT

IDWWA

MTWY

8

MIWV

OH

9

ILWI

IN

0

COMO

IAND

KSNE

MNSD

Canada

ABNT

BCONE

GTAONN

MARONS

MBPE

NLQC

SK

Bearing:

Miles:

Band:80

Mode:DIG

KO8V

1E

VA

7:56:46 AM

11:56:46 UTC

N3FJP LOGGER RIG INTERFACE

N3FJP's ARRL Field Day Contest Log 6.2 www.n3fjp.com

File Settings Band Mode View Network Operator Help

Rec

Setup...
Appearance
DX Spotting...
Transmit
Rig Interface
Network...
Voice Navigation...
List Previous Contacts When Tabbing from Call Field
Allow Duplicates
Post Contest Mode
Refresh Rate...
Reset Columns to Default
QSOs / Hr Rate This PC Only
Super Check Partial...
History File...
Web Upload Contest Status...
Application Program Interface (API)...
Register...

Recent Contacts Last 20 All

Date / Time	Bnd	Mode	Country	Initials	Operator
-------------	-----	------	---------	----------	----------

Score Statistics

Total CW Contacts	0
Total Phone Contacts	0
Total DIG Contacts	0
Total QSO Points	0
QSOs / Hr (Last 20 min)	0
QSOs / Hr (Last 60 min)	0

Possible Duplicates ☒ Any Portion

Alabama Total = 0

Bearing:
Miles:

Band: 40 Mode: DIG

KO8V 1E VA

8:21:25 AM
12:21:25 UTC

DX

1

CT RI
EMA VT
ME WMA
NH

2

ENY NNY
NLI SNJ
NNJ WNY

3

DE MDC
EPA WPA

4

AL SC
GA SFL
KY TN
NC VA
NFL VI
PR WCF

5

AR NTX
LA OK
MS STX
NM WTX

6

EB SCV
LAX SDG
ORG SF
PAC SJV
SB SV

7

AK NV
AZ OR
EWA UT
ID WWA
MT WY

8

MI WV
OH

9

IL WI
IN

0

CO MO
IA ND
KS NE
MN SD

Canada

AB NT
BC ONE
GTA ONN
MAR ONS
MB PE
NL QC
SK

N3FJP LOGGER RIG INTERFACE

Rig Interface Setup 2.8 (Ctrl R)

Select Rig:

None

Client API

Elecraft

Flex API

FlexRadio

Icom

Icom2

Icom 735

Kenwood

Kenwood2

N3FJP API

Ten Tec Argonaut VI

Ten Tec Eagle

Ten Tec Fnt Pnl

Ten Tec Omni VI

Ten Tec Omni VII

Ten Tec Orion

Ten Tec Pegasus

Yaesu - Older

Yaesu 100D

Yaesu 757 GX II

Yaesu 890

Yaesu 891

Yaesu 900

Yaesu 920

Yaesu 920A

Yaesu 990

Yaesu 991

Com Port:

COM24

COM23

COM5

COM10

COM11

COM12

COM13

COM7

COM8

COM9

Baud Rate:

☐ 1.2

☐ 2.4

☒ 4.8

☐ 9.6

☐ 11.5

☐ 14.4

☐ 19.2

☐ 28.8

☐ 38.4

☐ 56

Other

Parity:

☐ Odd

☒ None

☐ Even

Connection Power:

☒ None

☐ RTS

☐ DTR

☐ Both

Mode Determined By:

☒ Rig

☐ Frequency

☐ Don't Use

☐ Mode by Frequency: Return All Mapped Modes

Data Bits:

☐ 7

☒ 8

Stop Bits:

☐ 1

☒ 2

Radio Polling Rate:

☐ 100 ms

☐ 500 ms

☒ 2 sec

☐ 10 sec

☒ Use Frequency on Main Form

☐ Convert Command to Hex

☐ Return LSB / USB

☐ Immediately Execute Commands

☐ Show Frequency Change Form on Startup

☐ Don't Send CW Mode Change if on CW (so CW filters won't reset)

☐ Don't Send Mode Change with Freq (useful when operating digital)

☐ Add Offset to Frequency Change (CW & DIG)

Offset in Hertz

0

☐ Invert Keyboard Tuning Up / Down + / -

Command to Read Frequency:

Frequency:

Command to Read Mode (if required):

Mode:

Save Settings

Load Settings

Test

End Test

View Rig Interface Help

Unprocessed data returned:

Converted from hex:

Copy Data to Clipboard

Multi Radio Configuration: (Main Form Ctrl + X)

Rig 1:

Browse

Rig 2:

Browse

Help

Test Swap

Done

To test the change frequency command, enter a frequency in MHz and click Send. The mode should change to SSB or CW as well, depending on the frequency you enter. Test changing modes by clicking on the mode buttons:

Frequency:

21.446

Send

CW

USB

LSB

AM

FM

RTTY

TX

RX

N3FJP LOGGER ENABLE THE API

N3FJP's ARRL Field Day Contest Log 6.2 www.n3fjp.com

File Settings Band Mode View Network Operator Help

Rec

Setup...

Appearance

DX Spotting...

Transmit

Rig Interface...

Network...

Voice Navigation...

List Previous Contacts When Tabbing from Call Field

Allow Duplicates

Post Contest Mode

Refresh Rate...

Reset Columns to Default

QSOs / Hr Rate This PC Only

Super Check Partial...

History File...

Web Upload Contest Status...

Application Program Interface (API)...

Register...

Recent Contacts Last 20 All

Date / Time	Bnd	Mode	Country	Initials	Operator
-------------	-----	------	---------	----------	----------

Score Statistics

Total CW Contacts 0

Total Phone Contacts 0

Total DIG Contacts 0

Total QSO Points 0

QSOs / Hr (Last 20 min) 0

QSOs / Hr (Last 60 min) 0

DX

1

CT RI

EMA VT

ME WMA

NH

2

ENY NNY

NLI SNJ

NNJ WNY

3

DE MDC

EPA WPA

4

AL SC

GA SFL

KY TN

NC VA

NFL VI

PR WCF

5

AR NTX

LA OK

MS STX

NM WTX

6

EB SCV

LAX SDG

ORG SF

PAC SJV

SB SV

7

AK NV

AZ OR

EWA UT

ID WWA

MT WY

8

MI WV

OH

9

IL WI

IN

0

CO MO

IA ND

KS NE

MN SD

Canada

AB NT

BC ONE

GTA ONN

MAR ONS

MB PE

NL QC

SK

Possible Duplicates Any Portion

Connecticut Total = 0

Bearing:

Miles:

Band: 80 Mode: DIG

KO8V 1E VA

7:57:26 AM
11:57:26 UTC

N3FJP LOGGER ENABLE THE API

N3FJP API 1.5

Server API - Allow any properly coded program to connect

API Server Functionality - Use this section to enable other programs, including other N3FJP Software programs, to connect to this one.

I often receive requests from folks who would like to interface their digital or logging programs with my logging software. To accommodate those requests, I have added easily implemented Application Program Interface (API) functionality, to enable any other program to do just that!

If you have a program that you would like to see interfaced with my software, please contact the developer(s) and refer them to this page:

<http://www.n3fjp.com/help/api.html>

Unless you let the programmer(s) know that you would like to see them

[Please click here for the detailed API specifications.](#)

☒ **TCP API Enabled (Server)** Port

Server Running = True
Port = 1100

Client - Only use this to connect to another N3FJP program

API Client Functionality - Use this section to enable this program to connect to another N3FJP Software program (usually Amateur Contact Log) to see if the entity you are working is confirmed.

Before enabling this feature, from the host program's menu options (usually Amateur Contact Log) click Settings > API and check the checkbox to enable the TCP API.

Host Port

☐ **Enable Entity Confirmation Check via API**

Disconnected

WSTJ-X SETUP

WSJT-X v2.1.2 by K1JT

File Configurations View Mode Decode Save Tools Help

Band Activity

UTC	dB	DT	Freq	Message
122700	-1	0.2	1155	AK9B WW0WV RR73
122700	-17	-0.5	1299	P41E K5HYT EL06
122700	-7	-0.1	1375	W2AOC CO6FMH FL02
122700	-9	0.1	1425	CQ WD9HTI EM76 U.S.A.
122700	3	1.5	1702	N5JEH W8RID EN91
122700	-23	0.0	1819	VE4YH K3SAE R-04
122700	-9	1.1	1955	K04DCR CM2TL 73
122700	0	0.0	2005	N4KIN CO2TZ 73
122700	-12	0.5	2163	HPLXT YV5TT FK60
122700	-19	0.2	2249	KI7DAN 3D2AG -14
122700	-2	0.1	2372	UW5EJX/MM <W10B> 73
122700	-2	0.2	2541	CQ WB2TQE EL96 U.S.A.
122700	-1	0.1	606	HL5FUA NN3V 73
122700	-16	0.1	888	AC4BV KD9EFO EM59
122700	-11	0.1	1201	N9JA W3YNE R-10
122700	-10	0.2	1738	CQ WSULR EM40
122700	-7	0.2	2518	VE6RST KR4OWZ FM17
----- 40m				
122715	18	0.2	553	3D2AG N4QS -10
122715	-5	0.1	647	<K2H/SAR> W5LOR EM21
122715	-13	0.4	701	N2YNF N9SES RR73
122715	-10	0.1	786	WW0WV XELIM +04
122715	-6	0.2	843	AELT KJ4GK RRR
122715	-24	0.4	1155	WW0WV AK9B 73
122715	-13	0.2	1463	K0FMS KD9ASC EN42
122715	0	0.2	1517	WV8DX W1W 73
122715	-16	0.1	1705	JA9BOH VE6RST R-06
122715	-21	0.4	1807	KD9EFO AC4BV +00
122715	8	0.3	1879	WW0WV K2HJ FN22
122715	-12	0.2	1939	B3CRA WB6PIH DM13
122715	10	0.1	2248	WW3JW <K2H/REN> -19
122715	-1	-1.2	2370	CQ UW5EJX/MM
122715	6	0.1	2439	CQ KSEW EM40 U.S.A.
122715	-15	0.1	2547	AB0H ND8G EM77
122715	-19	0.1	2603	B3CRA NK7Z CN84
122715	-13	-0.0	875	K5HYT KB8BIP -12
122715	-1	0.2	1008	VE4REM K8YV EN73
122715	-24	0.1	1297	K5HYT P41E -17
122715	-24	-0.2	1807	CQ N5JEH DM65
122715	-7	0.2	1899	W3YNE N9JA -16
122715	-16	-0.6	2076	CO6FMH W2AOC -12
122715	-18	0.2	2318	CQ WA4PT FM18
122715	5	0.2	2426	CQ KG5ZZB EM10 U.S.A.

Rx Frequency

UTC	dB	DT	Freq	Message
120830	-22	0.4	1318	LY3TW IZ6IOC JN62
120930	-24	0.2	1318	LY3TW IZ6IOC JN62
121215	-24	0.1	1319	CQ LY3TW K014 Lithuania
121245	-24	0.2	1320	CQ LY3TW K014 Lithuania
121600	-3	0.2	1325	W2AOC W0PAS RR73
121615	-10	0.1	1330	CQ KG5MKP EM12 U.S.A.
121615	-19	-0.6	1325	W0PAS W2AOC 73

40m

Controls

Log QSO Stop Monitor Erase Decode Enable Tx Halt Tx Tune Menus

40m 7.074 000 Tx even/1st Tx 1324 Hz Hold Tx Freq Rx 1325 Hz Report -15 Auto Seq Call 1st

DX Call DX Grid VE1UF FN85 Az: 52 949 mi Lookup Add

2020 May 02 12:27:35

Generate Std Msgs Next Now

VE1UF KO8V FM08 Tx 1

VE1UF KO8V -15 Tx 2

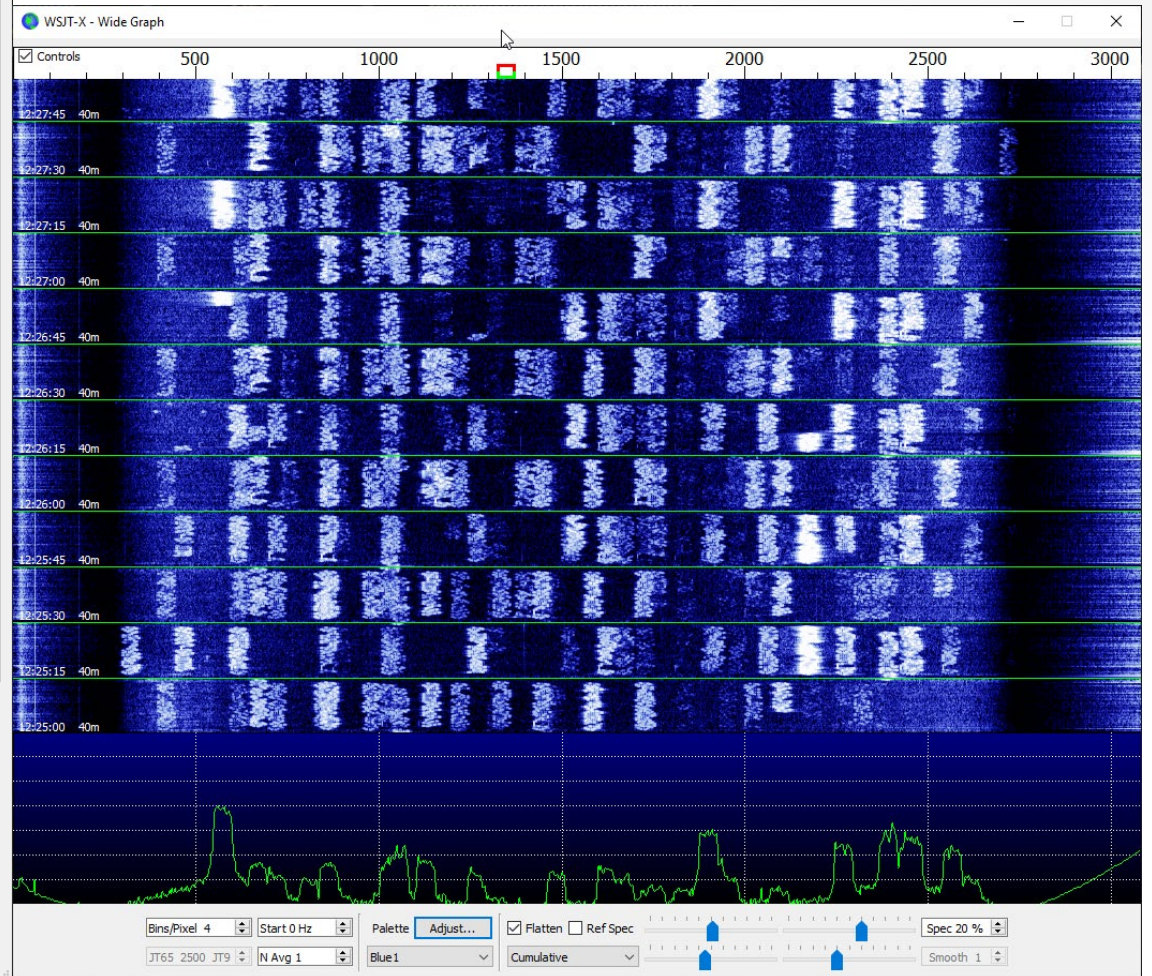
VE1UF KO8V R-15 Tx 3

VE1UF KO8V RR73 Tx 4

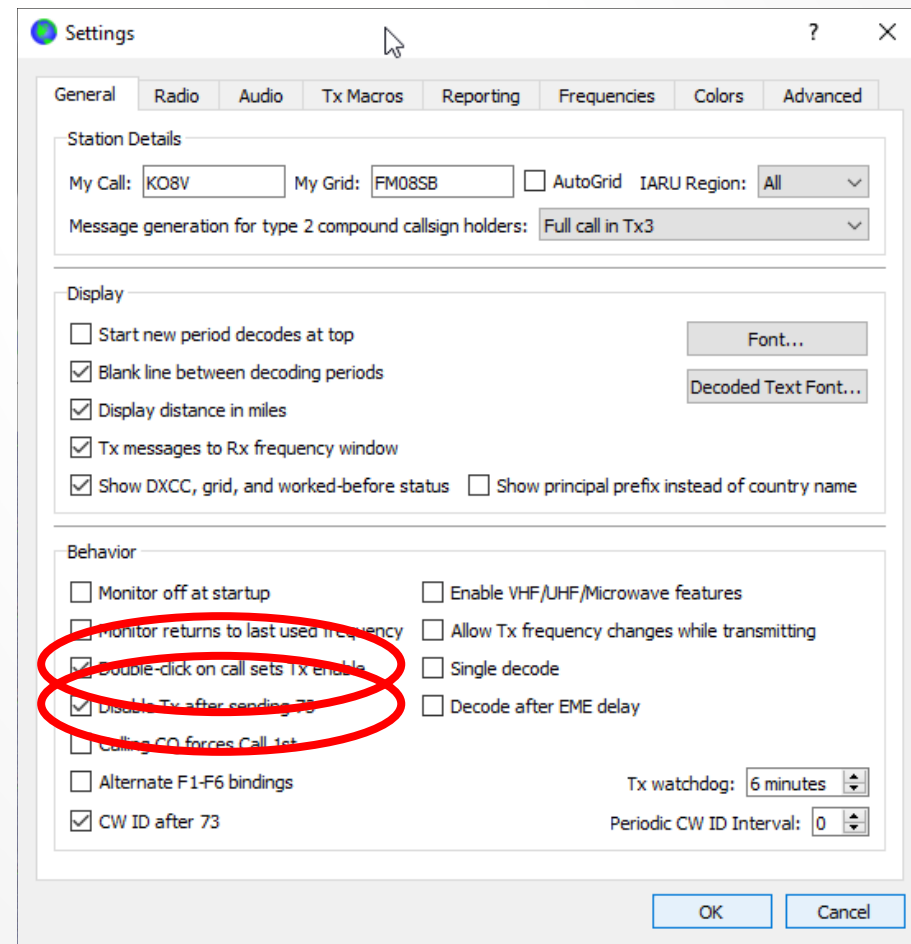
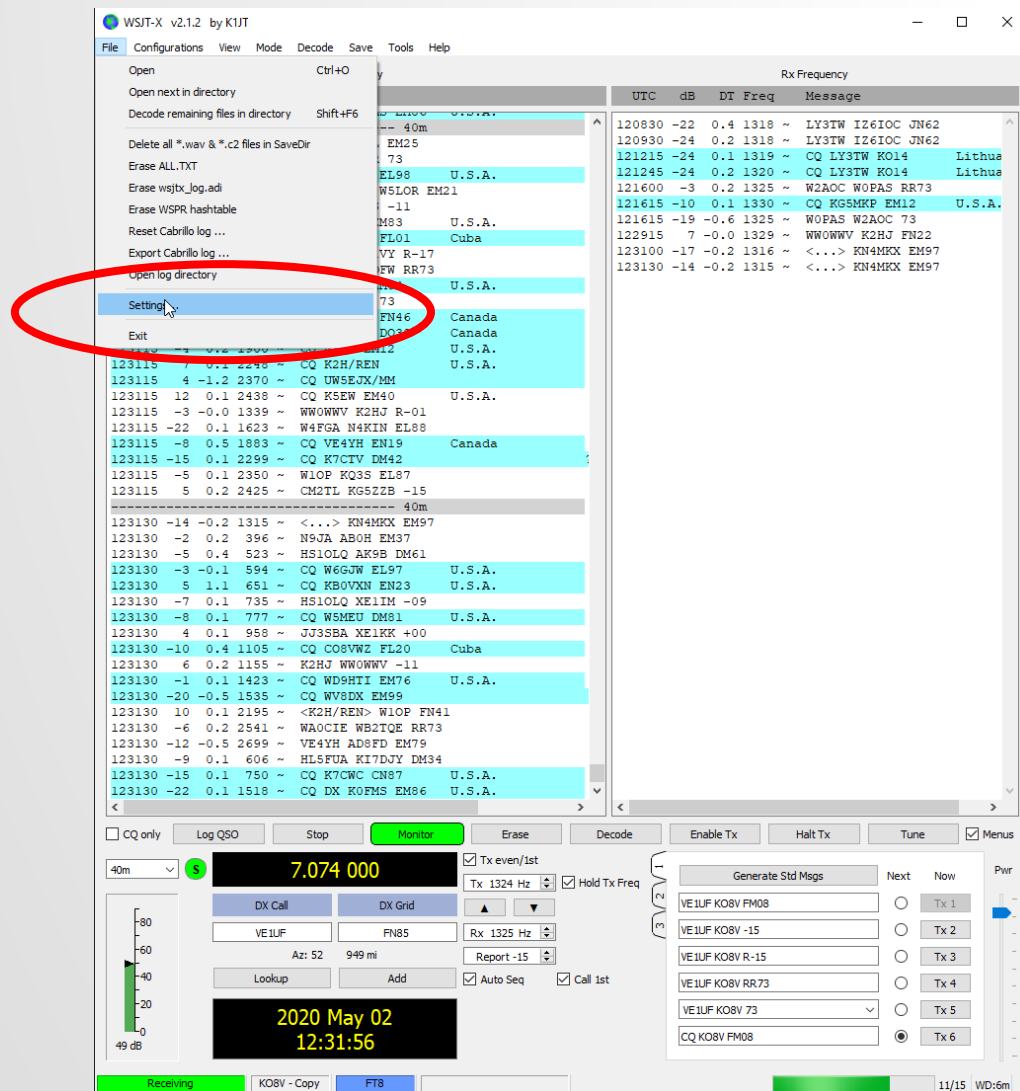
VE1UF KO8V 73 Tx 5

CQ KO8V FM08 Tx 6

Receiving KO8V - Copy FT8 5/15 WD:6m



WSTJ-X SETUP



WSTJ-X SETUP

Settings

General | Radio | Audio | Tx Macros | Reporting | Frequencies | Colors | Advanced

Rig: Elecraft K3S Poll Interval: 1 s

CAT Control

Serial Port: COM7

Serial Port Parameters

Baud Rate: 38400

Data Bits

☐ Default ☐ Seven ☒ Eight

Stop Bits

☐ Default ☐ One ☒ Two

Handshake

☐ Default ☒ None

☐ XON/XOFF ☐ Hardware

Force Control Lines

DTR: RTS:

PTT Method

☐ VOX ☐ DTR

☐ CAT ☒ RTS

Port: COM8

Transmit Audio Source

☐ Rear/Data ☒ Front/Mic

Mode

☒ None ☐ USB ☐ Data/Pkt

Split Operation

☐ None ☒ Rig ☐ Fake It

Test CAT Test PTT

OK Cancel

Settings

General | Radio | Audio | Tx Macros | Reporting | Frequencies | Colors | Advanced

Soundcard

Input: MKIII Line In (MKIII LINE) Mono

Output: Line (MKIII) Mono

Save Directory

Location: C:/Users/Joe/AppData/Local/WSJT-X/save Select

AzEl Directory

Location: C:/Users/Joe/AppData/Local/WSJT-X Select

Remember power settings by band

☐ Transmit ☐ Tune

OK Cancel

WSTJ-X SETUP

Settings

General | Radio | Audio | Tx Macros | Reporting | Frequencies | Colors | Advanced

Logging

☒ Prompt me to log QSO Op Call:

☐ Log automatically (contesting only)

☐ Convert mode to RTTY

☐ dB reports to comments

☐ Clear DX call and grid after logging

Network Services

☒ Enable PSK Reporter Spotting

UDP Server

UDP Server: ☒ Accept UDP requests

UDP Server port number: ☒ Notify on accepted UDP request

☒ Accepted UDP request restores window

Secondary UDP Server (deprecated)

☐ Enable logged contact ADIF broadcast

Server name or IP address:

Server port number:

OK Cancel

Settings

General | Radio | Audio | Tx Macros | Reporting | Frequencies | Colors | Advanced

JT65 VHF/UHF/Microwave decoding parameters

Random erasure patterns:

Aggressive decoding level:

☒ Two-pass decoding

Miscellaneous

Degrade S/N of .wav file:

Receiver bandwidth:

Tx delay:

Tone spacing

☐ x 2 ☐ x 4

Waterfall spectra

☒ Low sidelobes ☐ Most sensitive

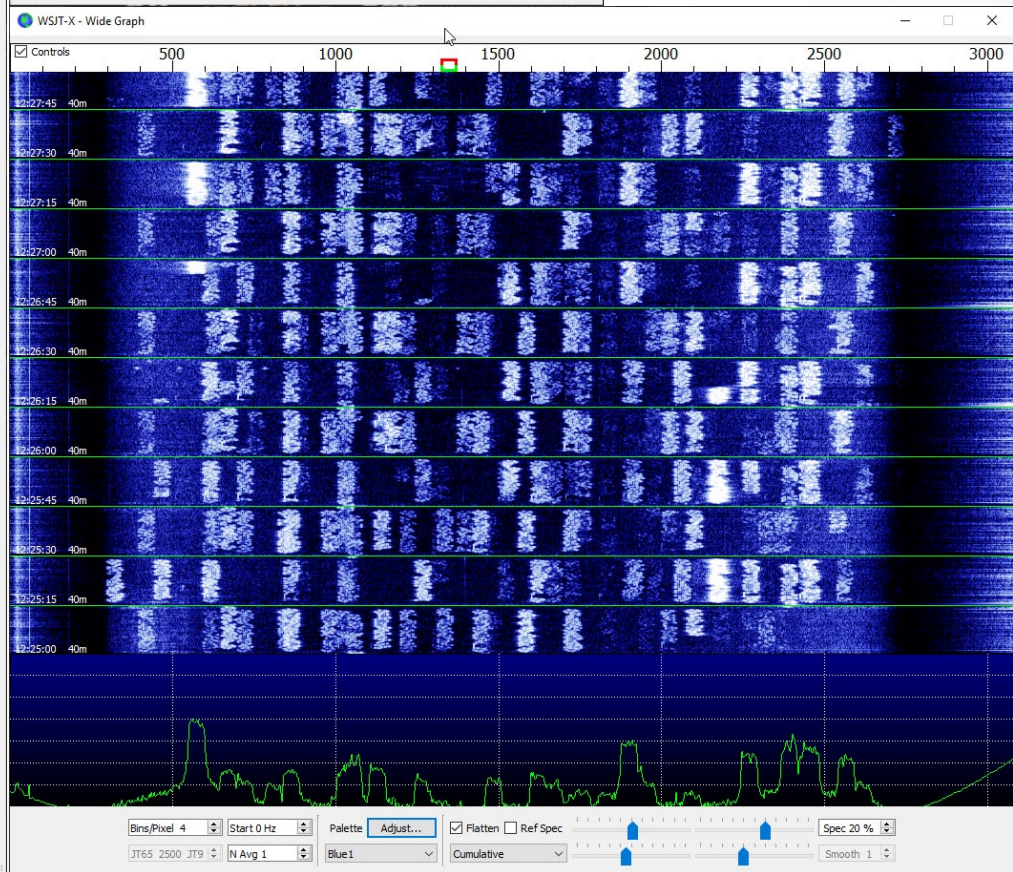
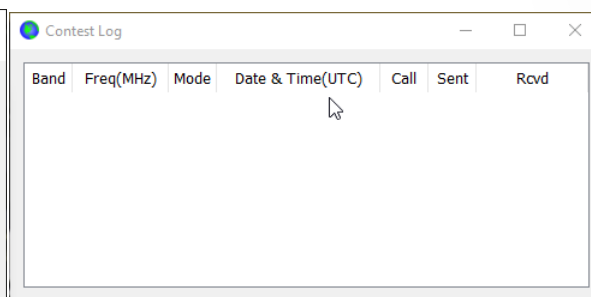
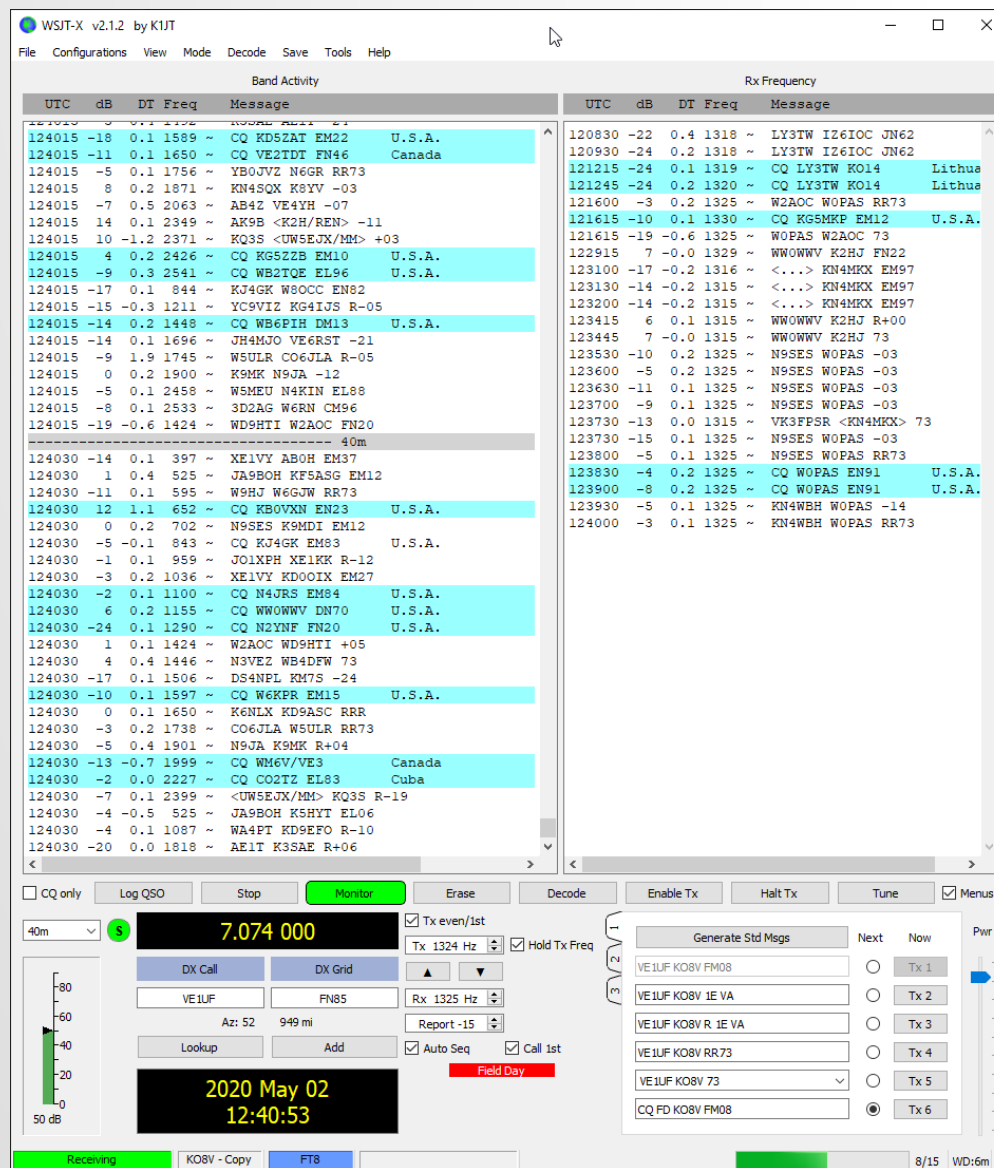
☒ Special operating activity: Generation of FT4, FT8, and MSK144 messages

☐ Fox ☐ Hound


☐ NA VHF Contest ☒ ARRL Field Day FD Exch:

☐ EU VHF Contest ☐ RTTY Roundup messages RTTY RU Exch:

OK Cancel



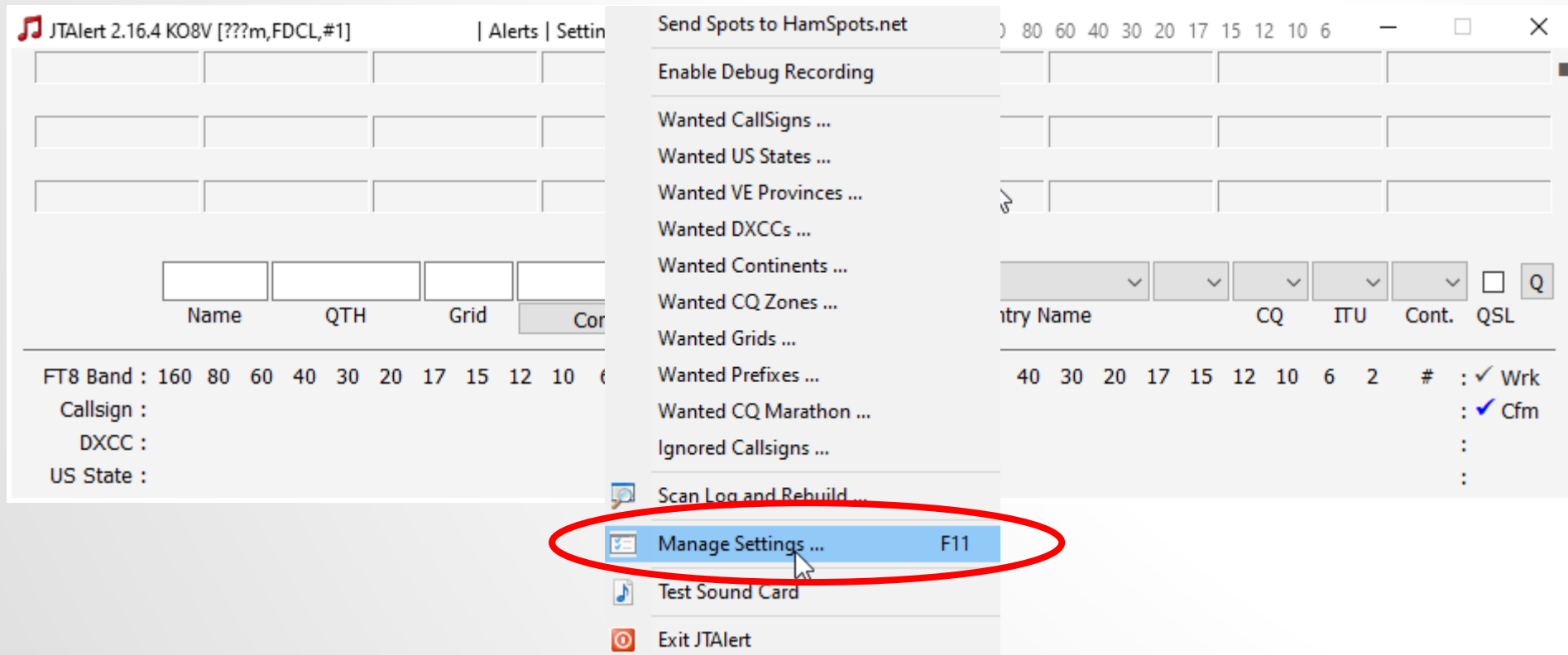
JT-ALERT SETUP

 JTAlert 2.16.4 KO8V [???m,FDCL,#1] | Alerts | Settings | View | Sound OFF | ? | 160 80 60 40 30 20 17 15 12 10 6 — □ ×

				▼		▼	▼	▼	▼	▼	□	Q
Name	QTH	Grid	Comments	PWR	Time	Country Name	CQ	ITU	Cont.	QSL		

FT8 Band : 160 80 60 40 30 20 17 15 12 10 6 2 # :	FT4 Band : 160 80 60 40 30 20 17 15 12 10 6 2 # :	✓ Wrk
Callsign :	Callsign :	✓ Cfm
DXCC :	DXCC :	:
US State :	US State :	:

JT-ALERT SETUP



JT-ALERT SETUP

JTAlert 2.16.4 Settings - KO8V - [Logging Enabled - N3FJP ARRL Field Day Contest Log]

Alerts

- Own Call
- CQ
- Wanted Prefix
- Wanted CQ Marathon
- Wanted US State
- Wanted VE Province
- Wanted DXCC
- Wanted Continent
- Wanted CQ Zone
- Wanted Grid
- Miscellaneous Alerts
- Alerts Priority
- Worked B4
- LoTW / eQSL(AG) Flags
- Filters
- Logging
- Applications
- Window
- Miscellaneous
- Web Services
- Scan Log and Rebuild
- Sound Card
- Station Callsign
- Program Updates
- Software Usage License

Quick Enable / Disable Audio and Visual Alerts

ON <input checked="" type="checkbox"/> Own Call	ON <input checked="" type="checkbox"/> CQ
OFF <input type="checkbox"/> Wanted Call	OFF <input type="checkbox"/> Wanted Prefix
ON <input checked="" type="checkbox"/> Wanted US State	OFF <input type="checkbox"/> Wanted Grid
ON <input checked="" type="checkbox"/> Wanted VE Province	ON <input checked="" type="checkbox"/> Wanted Continent
ON <input checked="" type="checkbox"/> Wanted DXCC	OFF <input type="checkbox"/> Wanted CQ Marathon
ON <input checked="" type="checkbox"/> Wanted CQ Zones	OFF <input type="checkbox"/> User Defined Alert
OFF <input type="checkbox"/> Decode Keyword	

Quick Enable / Disable Audio only Alerts

OFF <input type="checkbox"/> Out of Shack	OFF <input type="checkbox"/> End of TX/RX Period
OFF <input type="checkbox"/> Start of TX Period	OFF <input type="checkbox"/> Rx Frequency
OFF <input type="checkbox"/> TX Watchdog	

Quick Enable / Disable Visual only Alerts

ON <input checked="" type="checkbox"/> LoTW Stripe/Flag	ON <input checked="" type="checkbox"/> Band Activity Display
OFF <input type="checkbox"/> Ignored Callsign	OFF <input type="checkbox"/> eQSL(AG) Stripe/Flag

Decoded Callsign Data Tooltip

ON <input checked="" type="checkbox"/> Enable	ON <input checked="" type="checkbox"/> Show all triggered Alerts
OFF <input type="checkbox"/> Show distance in Miles	

JTAlert by VK3AMA

Help OK Cancel Save

JT-ALERT SETUP

JTAlert 2.16.4 Settings - KO8V - [Logging Enabled - N3FJP ARRL Field Day Contest Log]

Alerts

- Own Call
- CQ
- Wanted Prefix
- Wanted CQ Marathon
- Wanted US State
- Wanted VE Province
- Wanted DXCC
- Wanted Continent
- Wanted CQ Zone
- Wanted Grid
- Miscellaneous Alerts
- Alerts Priority
- Worked B4
- LoTW / eQSL(AG) Flags
- Filters

Logging

- Last QSO API
- Log B4 Database
- Standard ADIF File
- DXLab DXKeeper
- HRD V5/V6
- Log4OM V1
- Log4OM V2
- ACLog**
 - Log "Other" fields
- Applications
- Window

☒ **Enable ACLog Logging**

☒ Enable sending of new DX Call when first detected

☒ Clear ACLog fields prior to logging

ACLog Install Location

☐ Local PC ☒ Remote Networked PC

Local PC Configuration

These values are automatically determined by reading the ACLog configuration file during JTAlert startup.

Log File TCP Port

Remote PC Configuration

127.0.0.1 PC IPv4 Address 1100 TCP Port

C:\Users\Joe\Documents\Affirmatech\N3FJP Software\...\LogData.mdb

Log File Select

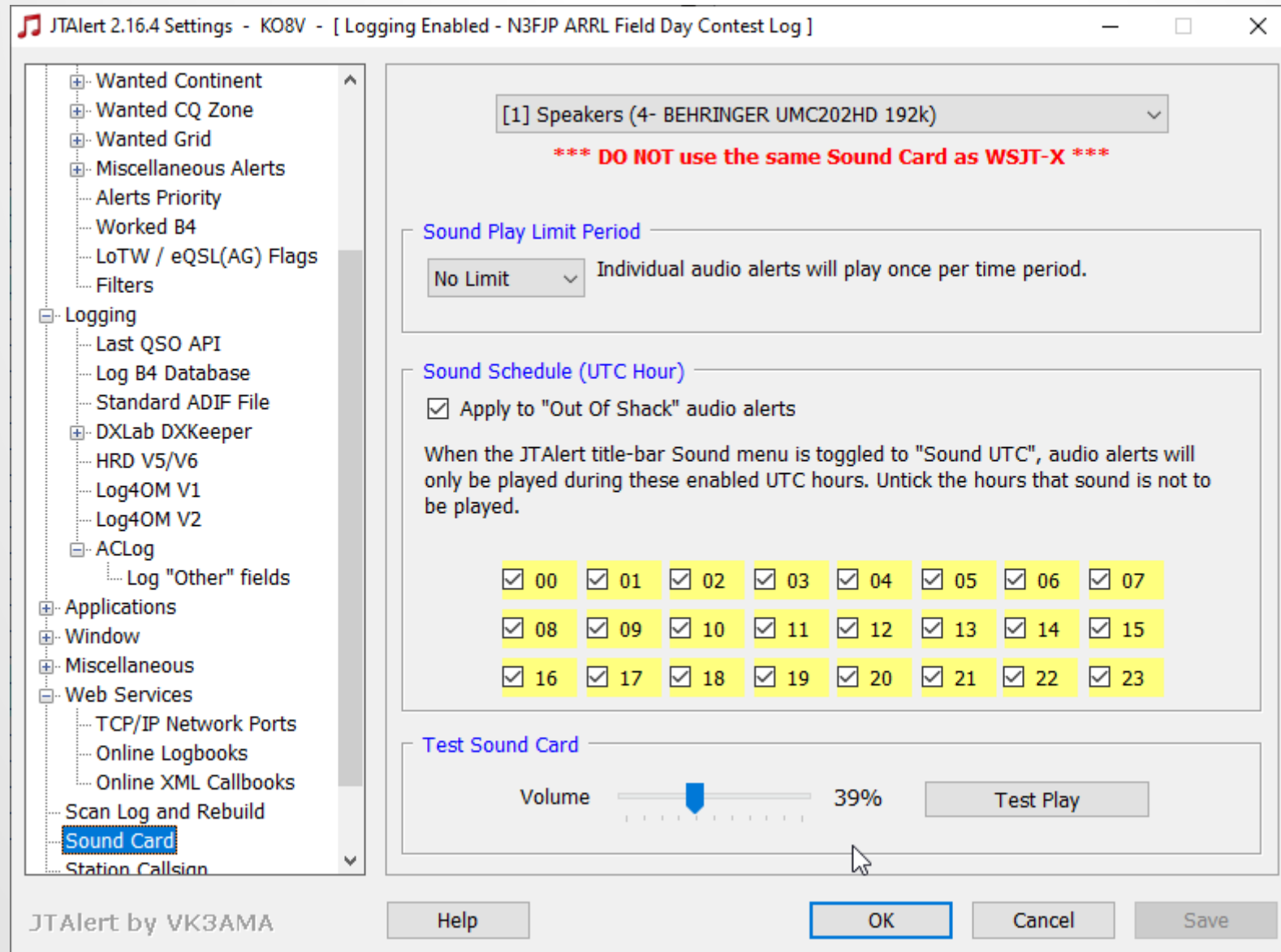
Log Type

Field Day (Summer) Contest Log (Ver 6.0 or later)

JTAlert by VK3AMA

Help OK Cancel Save

JT-ALERT SETUP



JT-ALERT SETUP

JTAlert 2.16.4 Settings - KO8V - [Logging Enabled - N3FJP ARRL Field Day Contest Log]

- Miscellaneous Alerts
 - Alerts Priority
 - Worked B4
 - LoTW / eQSL(AG) Flags
 - Filters
- Logging
 - Last QSO API
 - Log B4 Database
 - Standard ADIF File
 - DXLab DXKeeper
 - HRD V5/V6
 - Log4OM V1
 - Log4OM V2
 - ACLog
 - Log "Other" fields
- Applications
- Window
- Miscellaneous
- Web Services
 - TCP/IP Network Ports
 - Online Logbooks
 - Online XML Callbooks
- Scan Log and Rebuild
- Sound Card
- Station Callsign
- Program Updates
- Software Usage License

Callsign

The Station Callsign is recorded with each logged QSO and should be the same as setup in JT65-HF and WSJT-X. It is also used when sending spots to HamSpots.net and when sending text messages to other JTAlert users.

Station Callsign

Station Location

CQ Zone Gridsquare

ITU Zone

Desktop Shortcut

JTAlert can be started to use a different callsign than the current Station callsign. This can be used for guest operators. A suitable shortcut will be created on the Windows Desktop. Each callsign will have independent settings and wanted lists.

Additional Callsign

JTAlert by VK3AMA

RUNNING IT ALL

WSJT-X v2.1.2 by K1JT

File Configurations View Mode Decode Save Tools Help

Band Activity Rx Frequency

UTC	dB	DT	Freq	Message	UTC	dB	DT	Freq	Message
130230	-4	0.9	1499	~ WB2HJQ KN4EUK -18	120830	-22	0.4	1318	~ LY3TW IZ6IOC JN62
130230	-18	0.1	1689	~ N9JA CO7HH RR73	120930	-24	0.2	1318	~ LY3TW IZ6IOC JN62
130230	-17	0.1	1793	~ KK5JY VE6RST 73	121215	-24	0.1	1319	~ CQ LY3TW KO14 Lithua
130230	10	-0.2	701	~ W1W W5GOL EM25	121245	-24	0.2	1320	~ CQ LY3TW KO14 Lithua
130230	-7	-1.0	836	~ B1CRA AA6XX DM13	121600	-3	0.2	1325	~ W2AOC WOPAS RR73
----- 40m -----					121615	-10	0.1	1330	~ CQ KGSZB EM10 U.S.A.
130245	-3	0.2	2426	~ CQ KGSZB EM10 U.S.A.	121615	-19	-0.6	1325	~ WOPAS W2AOC 73
130245	-1	-0.6	595	~ W6GJW W2AOC R-15	122915	7	-0.0	1329	~ W6GJW W2AOC R-15
130245	-18	0.0	653	~ KN4EUK WB2HJQ R+09	123100	-17	-0.2	1316	~ <...> KN4MKX EM97
130245	-5	0.1	765	~ <N7GV/7QPAZP> K0NC EN10	123130	-14	-0.2	1315	~ <...> KN4MKX EM97
130245	7	0.1	843	~ CQ KJ4GK EM83 U.S.A.	123200	-14	-0.2	1315	~ <...> KN4MKX EM97
130245	-11	1.3	1035	~ K5HYT KD4KK -07	123415	6	0.1	1315	~ W6GJW W2AOC R-15
130245	-10	0.1	1109	~ K9RCP KA5ZHG EL49	123445	7	-0.0	1315	~ W6GJW W2AOC R-15
130245	2	0.1	1252	~ W6GJW W4FGA EM83	123530	-10	0.2	1325	~ N9SES WOPAS -03
130245	4	0.5	1375	~ CQ AE1T FN43 U.S.A.	123600	-5	0.2	1325	~ N9SES WOPAS -03
130245	2	-0.6	1479	~ CQ KB8TXZ EN82 U.S.A.	123630	-11	0.1	1325	~ N9SES WOPAS -03
130245	-12	0.1	1650	~ N9XCR VE2TDT RRR	123700	-9	0.1	1325	~ N9SES WOPAS -03
130245	-17	0.5	1902	~ VKSUR VE4YH RRR	123730	-13	0.0	1315	~ VK3FSPR <KN4MKX> 73
130245	-19	0.1	1950	~ KN4SQX W8GU EN90	123730	-15	0.1	1325	~ N9SES WOPAS -03
130245	-5	0.3	2071	~ CQ KK5JY EM16 U.S.A.	123800	-5	0.1	1325	~ N9SES WOPAS RR73
130245	-7	0.2	2130	~ CO7HH N9JA R-12	123830	-4	0.2	1325	~ CQ WOPAS EN91 U.S.A.
130245	1	0.4	2306	~ CQ DX KF5ASG EM12 U.S.A.	123900	-8	0.2	1325	~ CQ WOPAS EN91 U.S.A.
130245	1	-1.2	2371	~ CQ UW5EJX/MM	123930	-5	0.1	1325	~ KN4WBH WOPAS -14
130245	-16	-0.3	1210	~ CQ DX KG4IJS DM59 U.S.A.	124000	-3	0.1	1325	~ KN4WBH WOPAS RR73
130245	-11	0.1	2115	~ KO4CZM W3KM FN20	125045	-23	-0.0	1325	~ WB4DFW KV9Y EN41
----- 40m -----					125115	-18	-0.0	1321	~ WB4DFW KV9Y EN41
130300	-19	0.1	347	~ CQ K2AK DM41 U.S.A.	125145	-24	-0.0	1320	~ WB4DFW KV9Y EN41
130300	-22	0.1	459	~ DU3CQ KI7DJY DM34	130045	-7	0.2	2426	~ CQ KGSZB EM10 U.S.A.
130300	12	-0.2	701	~ W1W W5GOL EM25	130103	Tx	1324	~ KGSZB KO8V 1E VA	
130300	-6	-0.0	877	~ VE4YH K8EIJ EM89	130115	-8	0.2	2426	~ CQ KGSZB EM10 U.S.A.
130300	-2	0.1	928	~ VE2TDT N9XCR 73	130130	Tx	1324	~ KGSZB KO8V 1E VA	
130300	-6	0.2	1155	~ DU1RS W6GJW RR73	130115	6	0.1	779	~ CQ K8YV EN73 U.S.A.
130300	-17	0.1	1290	~ CQ N2YNE FN20 U.S.A.	130145	0	0.2	781	~ KD9KJX K8YV +01
130300	-13	-0.6	1364	~ KV9Y KO4MC EM55	130200	Tx	1324	~ K8YV KO8V 1E VA	
130300	-1	0.9	1499	~ WB2HJQ KN4EUK -18	130145	-8	0.2	2426	~ CQ KGSZB EM10 U.S.A.
130300	-24	0.0	1597	~ CQ KO4CZM EL96 U.S.A.	130204	Tx	1324	~ KGSZB KO8V 1E VA	
130300	-8	0.2	1826	~ YD2ULK N6GR RR73	130215	-3	0.2	2426	~ CQ KGSZB EM10 U.S.A.
130300	-16	-0.3	2207	~ K3YGC AE4IN -24	130245	-3	0.2	2426	~ CQ KGSZB EM10 U.S.A.
130300	9	0.0	2372	~ <UW5EJX/MM> W5GT EM12					
130300	9	0.2	700	~ CQ W1W FN42 U.S.A.					
130300	-6	-0.2	892	~ N8AWG N2FHL FM29					
130300	-6	0.2	1479	~ KB8TXZ KG0GGY EN41					
130300	-12	0.2	1540	~ AE1T KD9ASC EN42					

☐ CQ only ☐ Log QSO ☒ Menus

40m 7.074 000

☒ Tx even/1st ☐ Hold Tx Freq

Tx 1324 Hz Rx 2426 Hz Report -8

☒ Auto Seq ☒ Call 1st

Field Day

Generate Std Msgs

Next	Now
<input type="radio"/> KGSZB KO8V FM08	<input type="radio"/> Tx 1
<input type="radio"/> KGSZB KO8V 1E VA	<input checked="" type="radio"/> Tx 2
<input type="radio"/> KGSZB KO8V R 1E VA	<input type="radio"/> Tx 3
<input type="radio"/> KGSZB KO8V RR73	<input type="radio"/> Tx 4
<input type="radio"/> KGSZB KO8V 73	<input type="radio"/> Tx 5
<input type="radio"/> CQ FD KO8V FM08	<input type="radio"/> Tx 6

Receiving KO8V - Copy FT8 Last Tx: KGSZB KO8V 1E VA 6/15 WD:5m

Contest Log

	Band	Freq(MHz)	Mode	Date & Time(UTC)	Call	Sent	Rcvd
1	40m	7.075	FT8	5/2/2020 13:02:33	KGSZB	1E VA	1E STX

WSJT-X v2.1.2 by K1JT - Log QSO

Click OK to confirm the following QSO:

Call	Start	End
KGSZB	02/05/2020 13:02:33	02/05/2020 13:02:33

Mode	Band	Rpt Sent	Rpt Rcvd	Grid	Name
FT8	40m	1E		EM10	

Tx power 25 ☒ Retain

Comments ☐ Retain

Operator

Exch sent 1E VA Rcvd 1E STX

N3FJP's ARRL Field Day Contest Log 6.2 www.n3fjp.com

Recent Contacts												Score Statistics	
<input type="checkbox"/> Current Band & Mode	<input type="button" value="Find"/>											<input checked="" type="radio"/> Last 20 <input type="radio"/> All	
Rec	Call	Class	Sec	Date / Time	Bnd	Mode	Country	Initials	Operator			Total CW Contacts	0
2	KG5ZZB	1E	STX	05/02 13:03	40	DIG	USA	JGD	KO8V			Total Phone Contacts	0
												Total DIG Contacts	1
												Total QSO Points	2
												QSOs / Hr (Last 20 min)	3
												QSOs / Hr (Last 60 min)	1

Call	Class	Section
<input type="text"/>	<input type="text"/>	<input type="text"/>

Clear Spot Last

Possible Duplicates	<input checked="" type="checkbox"/> Any Portion

DX 1 CT RI EMA VT ME WMA NH	3 DE MDC EPA WPA 4 AL SC GA SFL KY TN NC VA NFL VI PR WCF	5 AR NTX LA OK MS STX NM WTX 6 EB SCV LAX SDG ORG SF PAC SJV SB SV	7 AK NV AZ OR EWA UT ID WWA MT WY 8 MI WV OH 9 IL WI IN	0 CO MO IA ND KS NE MN SD Canada AB NT BC ONE GTA ONN MAR ONS MB PE NL QC SK
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Bearing:	Miles:	Band: 40	Mode: DIG	7.074000	KO8V	1E	VA	9:03:41 AM 13:03:41 UTC
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OPERATIONAL TIPS

- Set the audio input level to the computer so that the bar is green all the time (some radios like my K3s do need AGC turned on)
- Pwr should be set so that your radio is just shy of ALC kicking in during transmit. Use with the Tune button.
- If running Search and Pounce the CQ only will declutter the Band Activity side.

TIPS – THE OPERATIONAL PANEL

The screenshot shows a software interface for radio operation. Several elements are highlighted with red circles:

- Top Left:** A checkbox labeled "CQ only" is circled.
- Top Center:** A green button labeled "Monitor" is circled.
- Top Right:** A button labeled "Tune" is circled.
- Left Side:** A vertical scale from 0 to 80 dB is circled, with a green bar indicating a signal level around 50 dB.
- Center:** A large black display shows the frequency "7.074 000" in yellow. Below it, a smaller display shows the date and time "2020 May 02 14:17:52".
- Right Side:** A "Generate Std Msgs" panel is circled, showing a list of messages and a "Pwr" (Power) slider.
- Bottom:** A status bar at the bottom shows "Receiving", "KO8V - Copy", "FT8", and "Last Tx: KG5ZZB KO8V 1E VA".

Other visible elements include buttons for "Log QSO", "Stop", "Erase", "Decode", "Enable Tx", "Halt Tx", and "Menus". A "Field Day" banner is also visible in the center.

TIPS – SETTING TX FREQUENCY

WSJT-X v2.1.2 by K1JT

File Configurations View Mode Decode Save Tools Help

Band Activity

UTC	dB	DT	Freq	Message
140630	-3	0.1	1566	VE6CV NSADO R-15
140630	-6	0.1	2310	VE3KAE KD9BIE EM69
40m				
140645	7	0.1	951	W6RN K9MDW EN61
140645	-9	0.2	597	CQ KO4DCR EL98 U.S.A.
140645	6	0.2	752	KCSRUO K9YV -08
140645	-4	0.1	842	CQ KJ4GK EM83 U.S.A.
140645	-11	0.1	1099	KZ4TN K4DVE RR73
140645	-10	-1.1	1202	W6FU KFSNA 73
140645	-8	0.1	1380	WAOIDK KE8HVL -16
140645	-14	0.1	1453	KJ4GK KOFBV EN41
140645	-18	0.1	1498	K4YT WSDTB RRR
140645	-24	0.1	1566	NSADO VE6CV -13
140645	-7	0.2	1667	N2IPH AISII R-12
140645	-3	0.0	1900	<K2H/SUF> WB2YDS -13
140645	-18	-1.3	1992	3D2TS NZ7M DN26
140645	-11	0.2	2070	CQ KK5JY EM16 U.S.A.
140645	-21	0.1	2212	W6FU N4KIN EL88
140645	-4	0.1	2370	CQ UW5EJK/MM
140645	12	0.3	2456	CQ KB1EFS FN42 U.S.A.
140645	-19	0.2	1038	HS10LQ KEQU R-03
40m				
140700	-1	0.3	826	W4OEO W4SWYI R-19
140700	-24	0.1	917	WSDTB K4YT 73
140700	-23	-1.0	1099	K4DVE KE8NOL EN91
140700	-17	-0.6	1221	CQ N5BO EM60 U.S.A.
140700	-1	0.1	1566	VE6CV NSADO R-16
140700	15	0.1	1756	WB2QJ <K2H/SUF> +00
40m				
140715	6	0.1	951	W6RN K9MDW EN61
140715	-2	0.2	752	KCSRUO K9YV -08
140715	-6	0.1	842	CQ KJ4GK EM83 U.S.A.
140715	6	0.1	1019	<K2H/SUF> WB2QJ R+06
140715	-12	0.1	1107	NSXZ K1SHDR -15
140715	-7	0.1	1380	WAOIDK KE8HVL -16
140715	-20	0.1	1453	KJ4GK KOFBV EN41
140715	-17	0.1	1566	NSADO VE6CV -13
140715	-9	0.2	1667	N2IPH AISII R-12
140715	-14	0.1	1846	KE7G WA8LE EN65
140715	-12	0.2	2070	CQ KK5JY EM16 U.S.A.
140715	-18	0.1	2212	W6FU N4KIN EL88
140715	-1	0.0	2370	CQ UW5EJK/MM
140715	13	0.2	2456	CQ KB1EFS FN42 U.S.A.
140715	-19	0.3	2650	VE2FZP AC4JG R-24

Rx Frequency

UTC	dB	DT	Freq	Message
135115	-9	0.2	2426	CQ KG5ZZB EM10 U.S.A.
135145	-5	0.2	2426	CQ KG5ZZB EM10 U.S.A.
135215	-6	0.2	2426	CQ KG5ZZB EM10 U.S.A.
135245	-5	0.2	2426	W9AI KG5ZZB -03
135315	-6	0.2	2426	W9AI KG5ZZB RR73
135345	-11	0.2	2426	CQ KG5ZZB EM10 U.S.A.
135400	-16	0.1	2426	KG5ZZB KL7NW EN21
135415	-3	0.2	2426	CQ KG5ZZB EM10 U.S.A.
135445	-11	0.2	2425	KL7NW KG5ZZB -07
135515	-17	0.2	2426	KL7NW KG5ZZB RR73
135545	-13	0.2	2426	CQ KG5ZZB EM10 U.S.A.
135615	-12	0.2	2426	CQ KG5ZZB EM10 U.S.A.
135645	-11	0.2	2426	CQ KG5ZZB EM10 U.S.A.
135715	-16	0.2	2426	CQ KG5ZZB EM10 U.S.A.
135745	-6	0.2	2426	CQ KG5ZZB EM10 U.S.A.
135815	-4	0.2	2426	CQ KG5ZZB EM10 U.S.A.
135845	-3	0.2	2426	K9MDW KG5ZZB -11
135915	-4	0.2	2426	K9MDW KG5ZZB RR73
135945	-3	0.2	2426	CQ KG5ZZB EM10 U.S.A.
140015	-10	0.2	2426	CQ KG5ZZB EM10 U.S.A.
140045	-9	0.2	2426	NV8G KG5ZZB -12
140115	-3	0.2	2425	NV8G KG5ZZB RR73
140145	-6	0.2	2425	CQ KG5ZZB EM10 U.S.A.
140245	-5	0.2	945	N5BO KA5ZHG 73
140300	5	-0.6	946	CQ N5BO EM60 U.S.A.
140315	4	0.1	951	W6RN K9MDW EN61
140315	-8	0.3	943	CQ VE3KAE FN25 Canada
140330	2	-0.6	946	KF3W N5BO -01
140345	8	0.1	951	W6RN K9MDW EN61
140345	-6	0.3	943	CQ VE3KAE FN25 Canada
140400	-3	-0.6	946	KF3W N5BO RR73
140415	7	0.1	950	W6RN K9MDW EN61
140415	-10	0.3	943	CQ VE3KAE FN25 Canada
140430	-2	-0.6	946	CQ N5BO EM60 U.S.A.
140445	10	0.1	951	W6RN K9MDW EN61
140500	-2	-0.6	946	CQ N5BO EM60 U.S.A.
140515	8	0.1	951	W6RN K9MDW EN61
140530	-2	-0.6	946	CQ N5BO EM60 U.S.A.
140545	11	0.1	951	W6RN K9MDW EN61
140600	0	-0.6	946	CQ N5BO EM60 U.S.A.
140615	6	0.1	951	W6RN K9MDW EN61
140645	7	0.1	951	W6RN K9MDW EN61
140715	6	0.1	951	W6RN K9MDW EN61

Controls

Log QSO Stop Monitor Erase Decode Enable Tx Halt Tx Tune Menus

40m 7.074 000

Tx even/1st Tx 838 Hz Hold Tx Freq

DX Call DX Grid

KG5ZZB EM10

Az: 249 1176 mi

Report -8

Auto Seq Call 1st

Field Day

Generate Std Msgs Next Now

KG5ZZB KO8V FM08 Tx 1

KG5ZZB KO8V 1E VA Tx 2

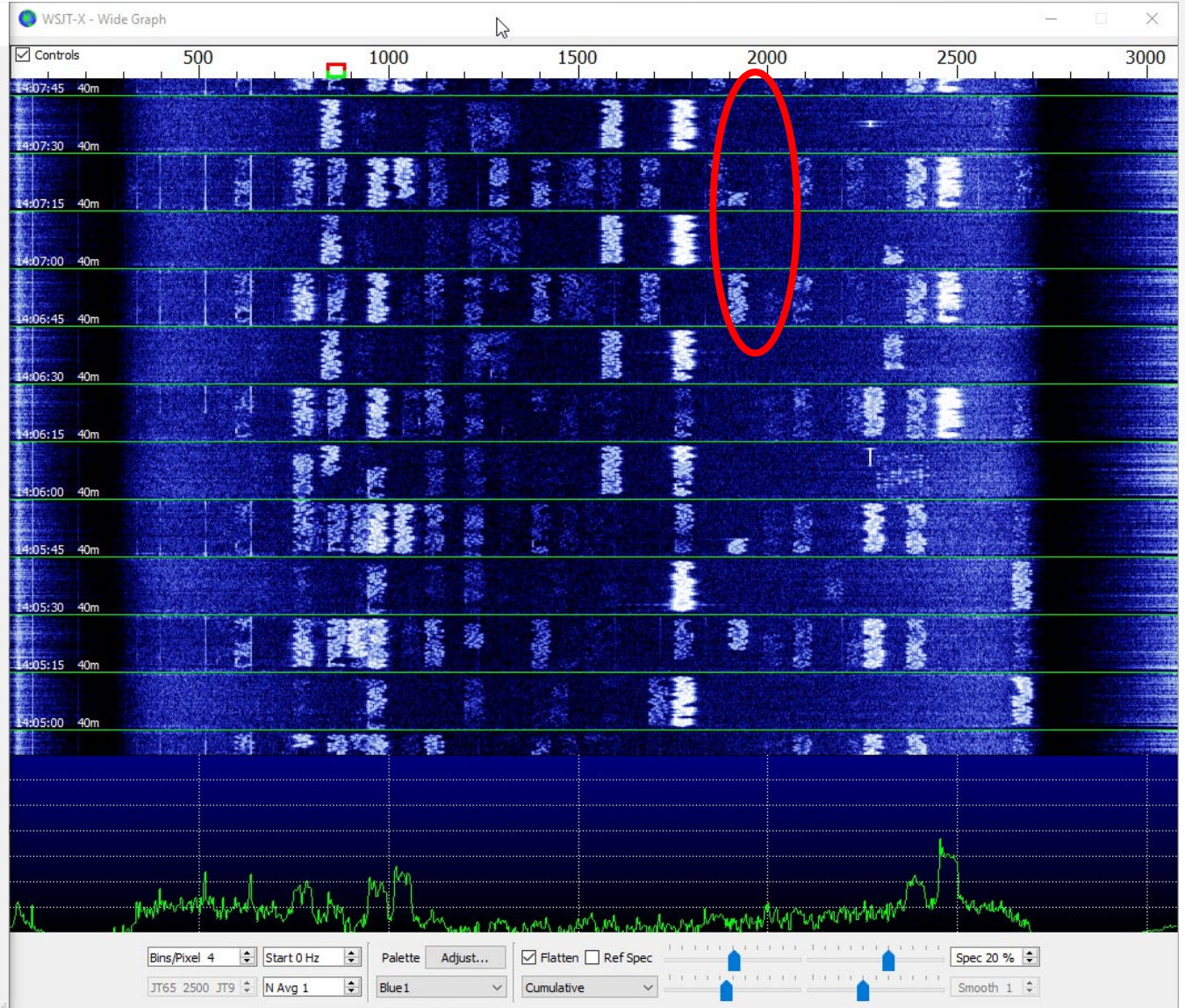
KG5ZZB KO8V R 1E VA Tx 3

KG5ZZB KO8V RR73 Tx 4

KG5ZZB KO8V 73 Tx 5

CQ FD KO8V FM08 Tx 6

Receiving KO8V - Copy FT8 Last Tx: KG5ZZB KO8V 1E VA 14/15 WD:6m



TIPS – SETTING TX FREQUENCY

WSJT-X v2.1.2 by K1JT

File Configurations View Mode Decode Save Tools Help

Band Activity

UTC	dB	DT	Freq	Message
140715	-6	0.1	842	CQ KJ4GK EM83 U.S.A.
140715	6	0.1	1019	<K2H/SUF> WB2QJ R+06
140715	-12	0.1	1107	N5XZ K1SHDR -15
140715	-7	0.1	1380	WA0IDK KE8HVL -16
140715	-20	0.1	1453	KJ4GK KO8BV EN41
140715	-17	0.1	1566	N8ADO VE6CV -13
140715	-9	0.2	1667	N2IPH AI5II R-12
140715	-14	0.1	1846	KE7G WASLE EN65
140715	-12	0.2	2070	CQ KK5JY EM16 U.S.A.
140715	-18	0.1	2212	W6FU N4KIN EL88
140715	-1	0.0	2370	CQ UW5EJX/MM
140715	13	0.2	2456	CQ KB1EFS FN42 U.S.A.
140715	-19	0.3	2650	VE2FZP AC4UG R-24

UTC dB DT Freq Message

UTC	dB	DT	Freq	Message
135145	-5	0.2	2426	CQ KG5ZZB EM10 U.S.A.
135215	-6	0.2	2426	CQ KG5ZZB EM10 U.S.A.
135245	-5	0.2	2426	W9AI KG5ZZB -03
135315	-6	0.2	2426	W9AI KG5ZZB RR73
135345	-11	0.2	2426	CQ KG5ZZB EM10 U.S.A.
135400	-16	0.1	2426	KG5ZZB KL7NW EN21
135415	-3	0.2	2426	CQ KG5ZZB EM10 U.S.A.
135445	-11	0.2	2425	KL7NW KG5ZZB -07
135515	-17	0.2	2426	KL7NW KG5ZZB RR73
135545	-13	0.2	2426	CQ KG5ZZB EM10 U.S.A.
135615	-12	0.2	2426	CQ KG5ZZB EM10 U.S.A.
135645	-11	0.2	2426	CQ KG5ZZB EM10 U.S.A.
135715	-16	0.2	2426	CQ KG5ZZB EM10 U.S.A.
135745	-6	0.2	2426	CQ KG5ZZB EM10 U.S.A.
135815	-4	0.2	2426	CQ KG5ZZB EM10 U.S.A.
135845	-3	0.2	2426	K9MDW KG5ZZB -11
135915	-4	0.2	2426	K9MDW KG5ZZB RR73
135945	-3	0.2	2426	CQ KG5ZZB EM10 U.S.A.
140015	-10	0.2	2426	CQ KG5ZZB EM10 U.S.A.
140045	-9	0.2	2426	NV8G KG5ZZB -12
140115	-3	0.2	2425	NV8G KG5ZZB RR73
140145	-6	0.2	2425	CQ KG5ZZB EM10 U.S.A.
140245	-5	0.2	945	NSBO KA5ZHG 73
140300	5	-0.6	946	CQ NSBO EM60 U.S.A.
140315	4	0.1	951	W6RN K9MDW EN61
140315	-8	0.3	943	CQ VE3KAE FN25 Canada
140330	2	-0.6	946	KF3W NSBO -01
140345	8	0.1	951	W6RN K9MDW EN61
140345	-6	0.3	943	CQ VE3KAE FN25 Canada
140400	-3	-0.6	946	KF3W NSBO RR73
140415	7	0.1	950	W6RN K9MDW EN61
140415	-10	0.3	943	CQ VE3KAE FN25 Canada
140430	-2	-0.6	946	CQ NSBO EM60 U.S.A.
140445	10	0.1	951	W6RN K9MDW EN61
140500	-2	-0.6	946	CQ NSBO EM60 U.S.A.
140515	8	0.1	951	W6RN K9MDW EN61
140530	-2	-0.6	946	CQ NSBO EM60 U.S.A.
140545	11	0.1	951	W6RN K9MDW EN61
140600	0	-0.6	946	CQ NSBO EM60 U.S.A.
140615	6	0.1	951	W6RN K9MDW EN61
140645	7	0.1	951	W6RN K9MDW EN61
140715	6	0.1	951	W6RN K9MDW EN61
140745	-4	0.1	842	CQ KJ4GK EM83 U.S.A.

UTC dB DT Freq Message

CQ only Log QSO Stop Monitor Erase Decode Enable Tx Halt Tx Tune Menus

40m 7.074 000 Tx even/1st Tx 1931 Hz Hold Tx Freq

DX Call DX Grid

KG5ZZB EM10

Az: 249 1176 mi Report -8

Lookup Add

2020 May 02 14:08:05

Field Day

Auto Seq Call 1st

Generate Std Msgs Next Now

KG5ZZB KO8V FM08 Tx 1

KG5ZZB KO8V 1E VA Tx 2

KG5ZZB KO8V R 1E VA Tx 3

KG5ZZB KO8V RR73 Tx 4

KG5ZZB KO8V 73 Tx 5

CQ FD KO8V FM08 Tx 6

Receiving KO8V - Copy FT8 Last Tx: KG5ZZB KO8V 1E VA 5/15 WD:5m

