

JS8CALL FOR AMATEUR RADIO

MORE THAN JUST ANOTHER
DIGITAL MODE FOR
AMATEUR RADIO



WHAT ARE WE DOING HERE

- Explain what JS8Call is
- The origins of this mode
- Why it is not just another digital mode i.e How it is different than FT8
- Play radio!!!

WHAT IS JS8CALL?

- FT8 with keyboard to keyboard interaction.
- Benefits of the low signal to noise ratio of FT8 with ability to type messages to other stations.
- It was intended to be an interactive mode, not just signal changes.
- See the website JS8Call.com

WHERE DID IT COME FROM?

- Brainchild of Jordan Sherer KN4CRD
- Take the robustness of FT8 add messaging and network protocol
- Uses WSJT-X as its base coding and modified to have messaging and networking capabilities.

WHERE DID IT COME FROM?

- Mode is technically defined as JS8, because it is a derivative of FT8 with 8-FSK modulation
- Was originally called FT8Call, then changed to JS8Call to not be confused with FT8.

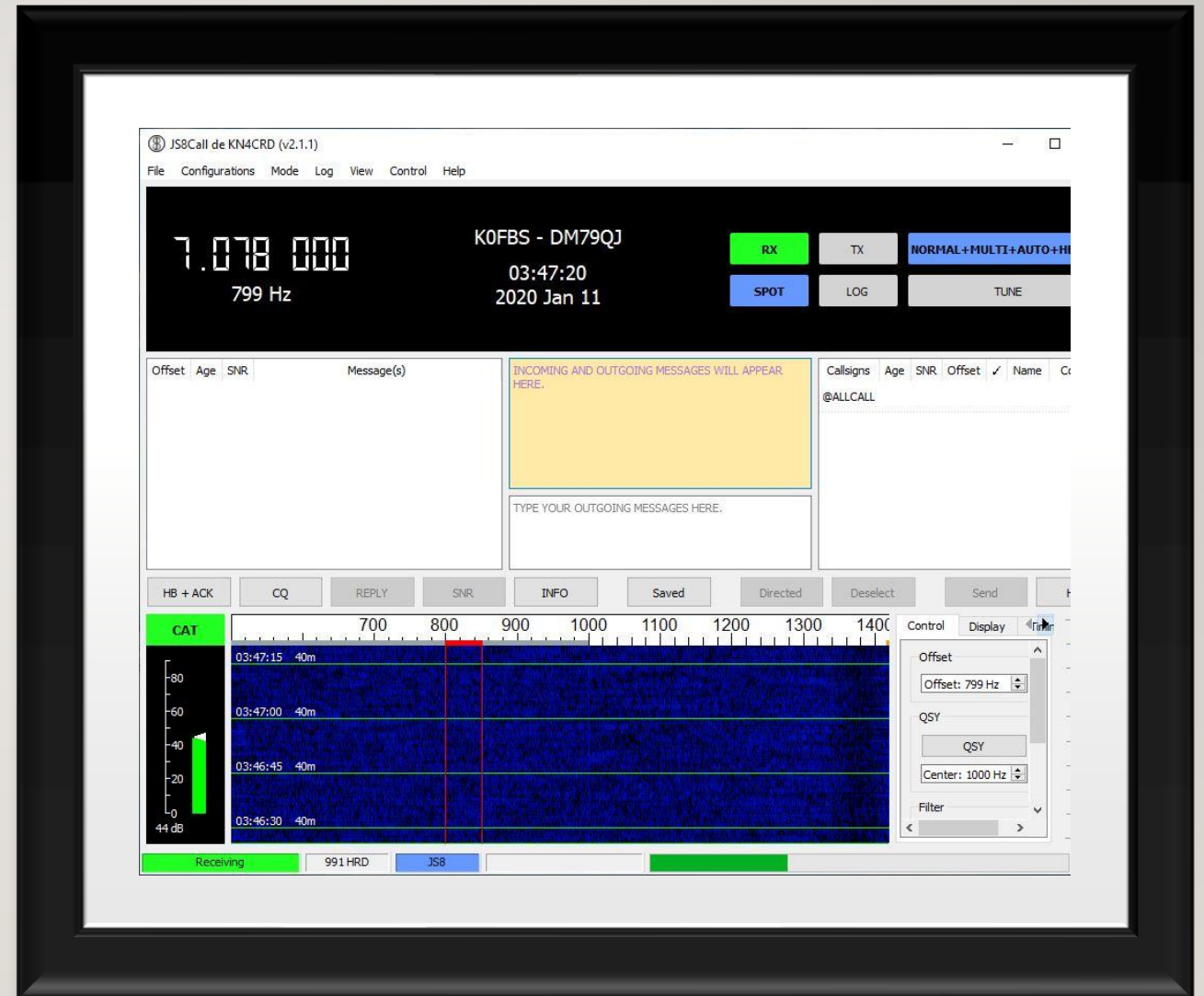
NOT JUST ANOTHER DIGITAL MODE

- Operators have interactive QSOs with each other.
- Message storage, message forwarding and specific group calling ex @ARES, @QSOPARTY etc

NOT JUST ANOTHER DIGITAL MODE

- Unique communications functionality on HF bands
- Send APRS Msg from within JS8Call
- Send txt msg to mobile phones
- Send a position report that shows up on APRSIS

LET'S TAKE A LOOK



7.078 000
799 Hz

K0FBS - DM79QJ
03:47:20
2020 Jan 11

RX TX NORMAL+MULTI+AUTO+HB+ACK
SPOT LOG TUNE

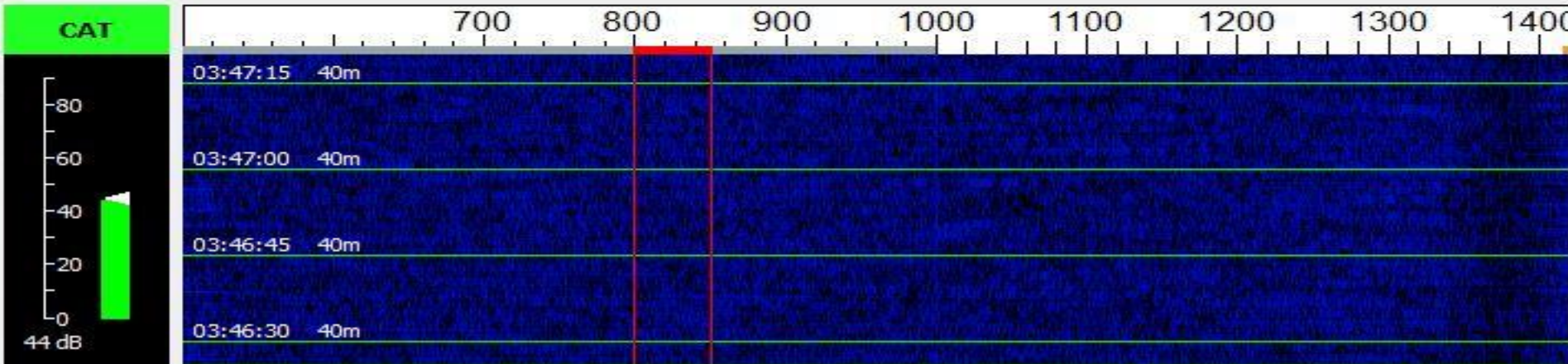
Offset	Age	SNR	Message(s)
INCOMING AND OUTGOING MESSAGES WILL APPEAR HERE.			
TYPE YOUR OUTGOING MESSAGES HERE.			

INCOMING AND OUTGOING MESSAGES WILL APPEAR HERE.

TYPE YOUR OUTGOING MESSAGES HERE.

Callsigns	Age	SNR	Offset	✓	Name	Comment
@ALLCALL						

HB + ACK CQ REPLY SNR INFO Saved Directed Deselect Send Halt



Control Display

Offset
Offset: 799 Hz

QSY
QSY

Center: 1000 Hz

Filter

General

Radio

Audio

Reporting

Frequencies

Saved Messages

Notifications

UI

Station

Behavior

Networking & Autoreply

Station Details

My Callsign:

K0FBS

My Maidenhead Grid Locator:

DM79QJ

Callsign Groups (comma separated):

@GROUP1, ...

 Do not participate in the @ALLCALL group

Station Messages

CQ Message:

CQ CQ CQ <MYGRID4>

Reply Message:

HW CPY?

Station Info (Rig, Antenna, Location, etc):

Station Status (Weather, Idle Time, Version, etc): IDLE <MYIDLE> VERSION <MYVERSION>

OK

Cancel



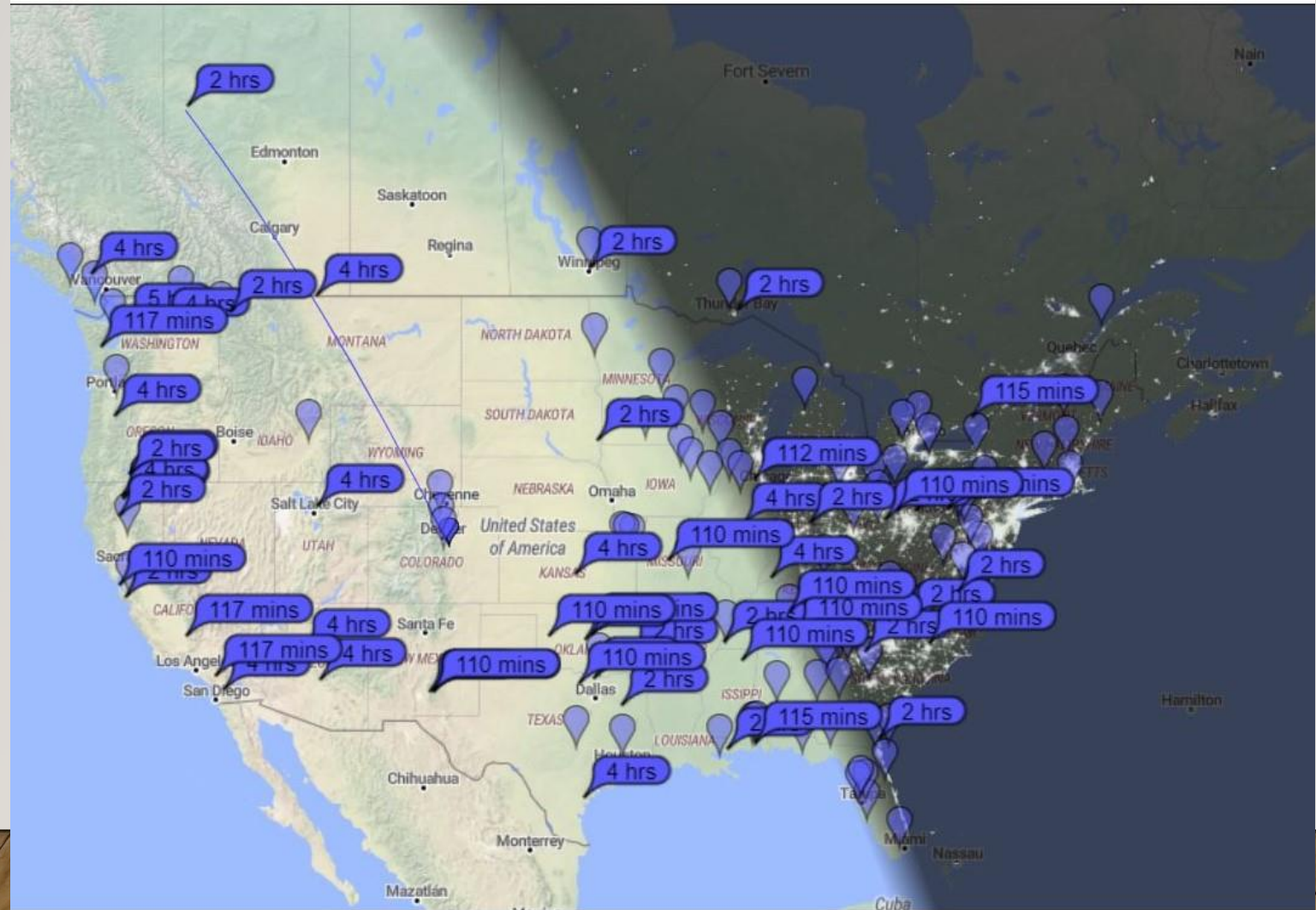




the callsign k0fbs/p using JS8 over the last 6 hours Go! Display options Permalink

Automatic refresh in 5 minutes. 57 reception reports for K0FBS/P are shown as times (show logbook).

all JS8 on all bands. Show all on all bands. Legend



WARNING!!!!!!

The JS8 modulator is a constant envelope, full-duty modulation.

Please make note of the power restrictions your transceiver manufacturer recommends for full-duty digital transmissions. When in doubt, use only a maximum of 50% of your rig's power output to “save your finals”.

ENOUGH BLAH BLAH BLAH

- Let's Play Radio!!!!

RESOURCES

- JS8Call website JS8Call.com
- JS8Call Groups io <https://groups.io/g/js8call>
- Survival Tech Nord YouTube Channel OH8STN
- KM4ACK YouTube Channel
- JS8Call Utilities

https://github.com/m0iax/JS8CallUtilities_V2