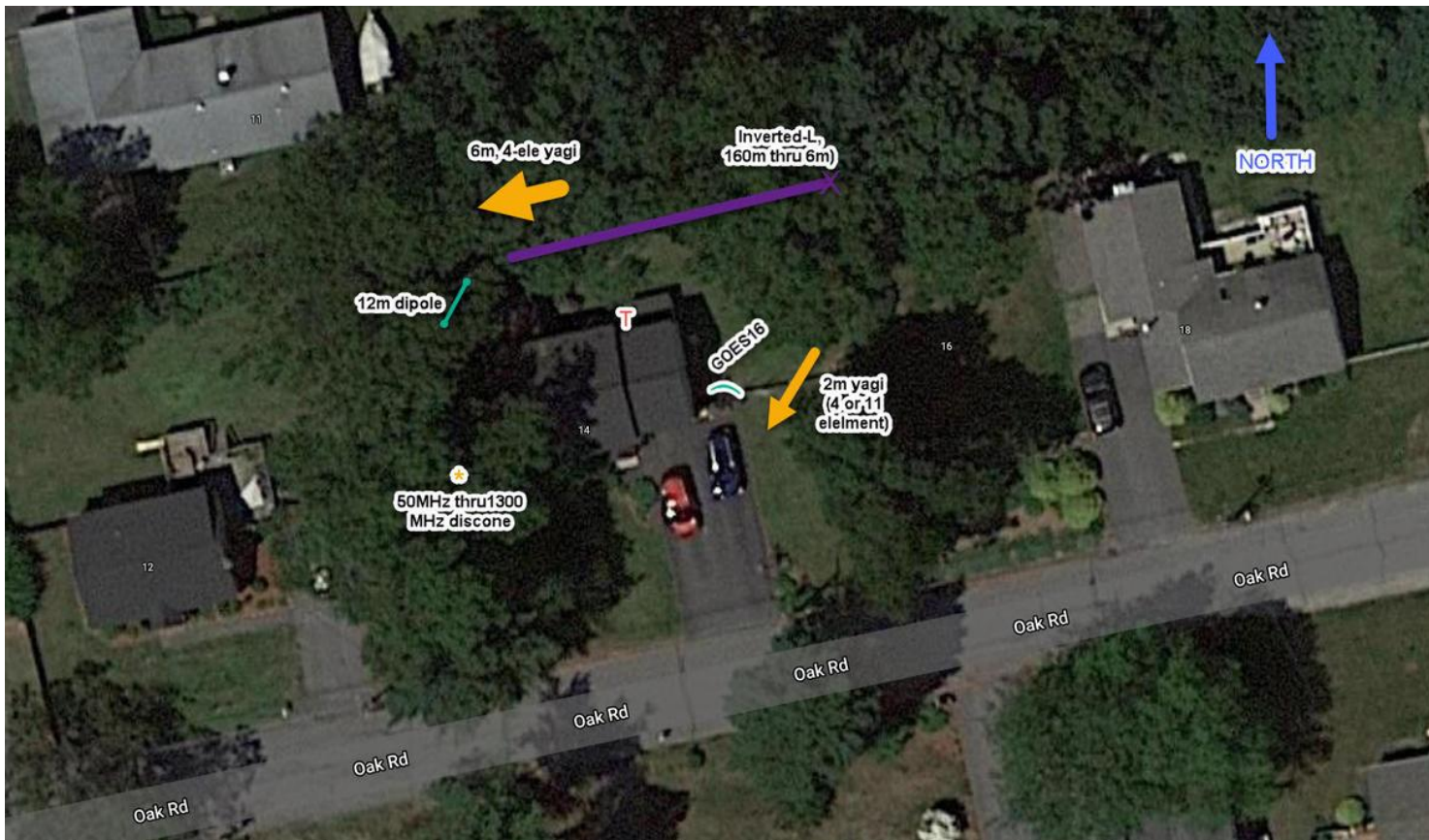




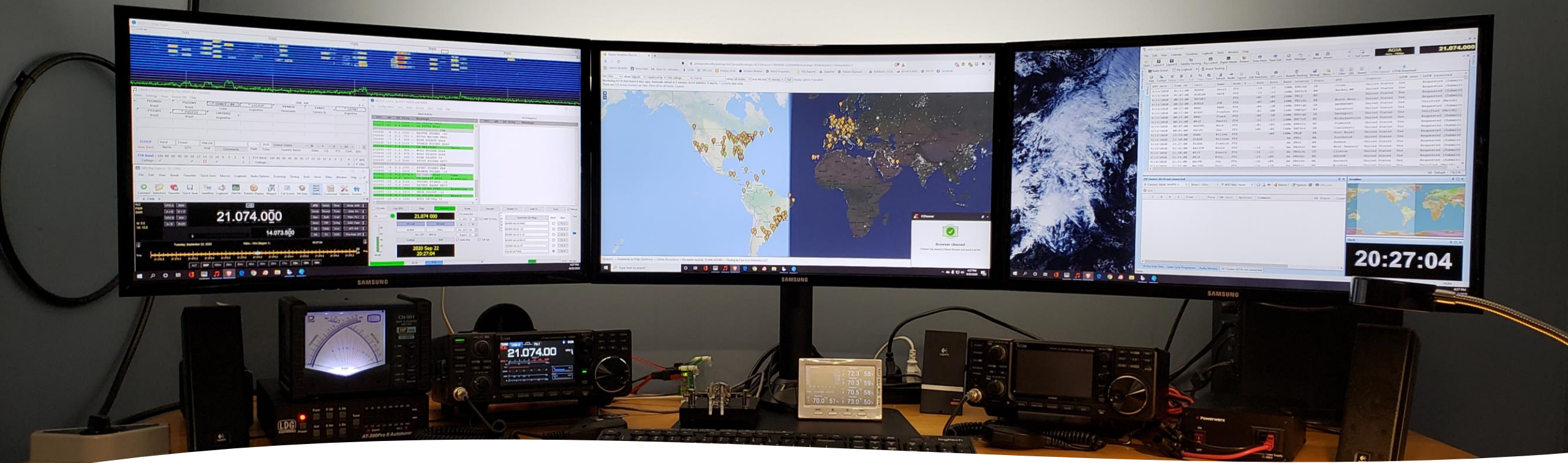
My Pursuit of
Amateur Radio
Operating
Awards
with a small
station and
<100W

- Wayne Wagner / AG1A
- ARRL / AMSAT Life Member
- 16-NOV-2021



Small Lot, Small Station, 100W and Lots of Enthusiasm

- 100' x 100' lot
- **Inverted-L:** This is my work-horse antenna for the past few years. A wire antenna with a 55' vertical section and the rest sloping downward to about 35' height. Can get on **160 thru 6 meters** with a tuner.
- Previously used an MFJ-1796 vertical dipole to get on 40/20/15/10/6 (no radials needed).
- Tossed up a 12m/10m dipole for awhile, but didn't use much
- **6m Yagi:** 4-element Arrow (52-4S). Mounted up 16ft on fiberglass mast pole sections, using Armstrong Model for rotator
- Running up to 100W.



AG1A Station December 2019

- Had a Yaesu FT-920 for the longest time (SSB, RTTY, some CW and JT65).
- My station moved from room to room over time in the house. Eventually settling in what I call the LabCave.
- Picked up a ICOM IC-7300 in 2017; retired the FT-920; dabbled in FT8
- Built a new computer in December 2019, added (3) 24" curved monitor array—a.k.a. the “Ham Command Center”

Operating Awards 2020-2021

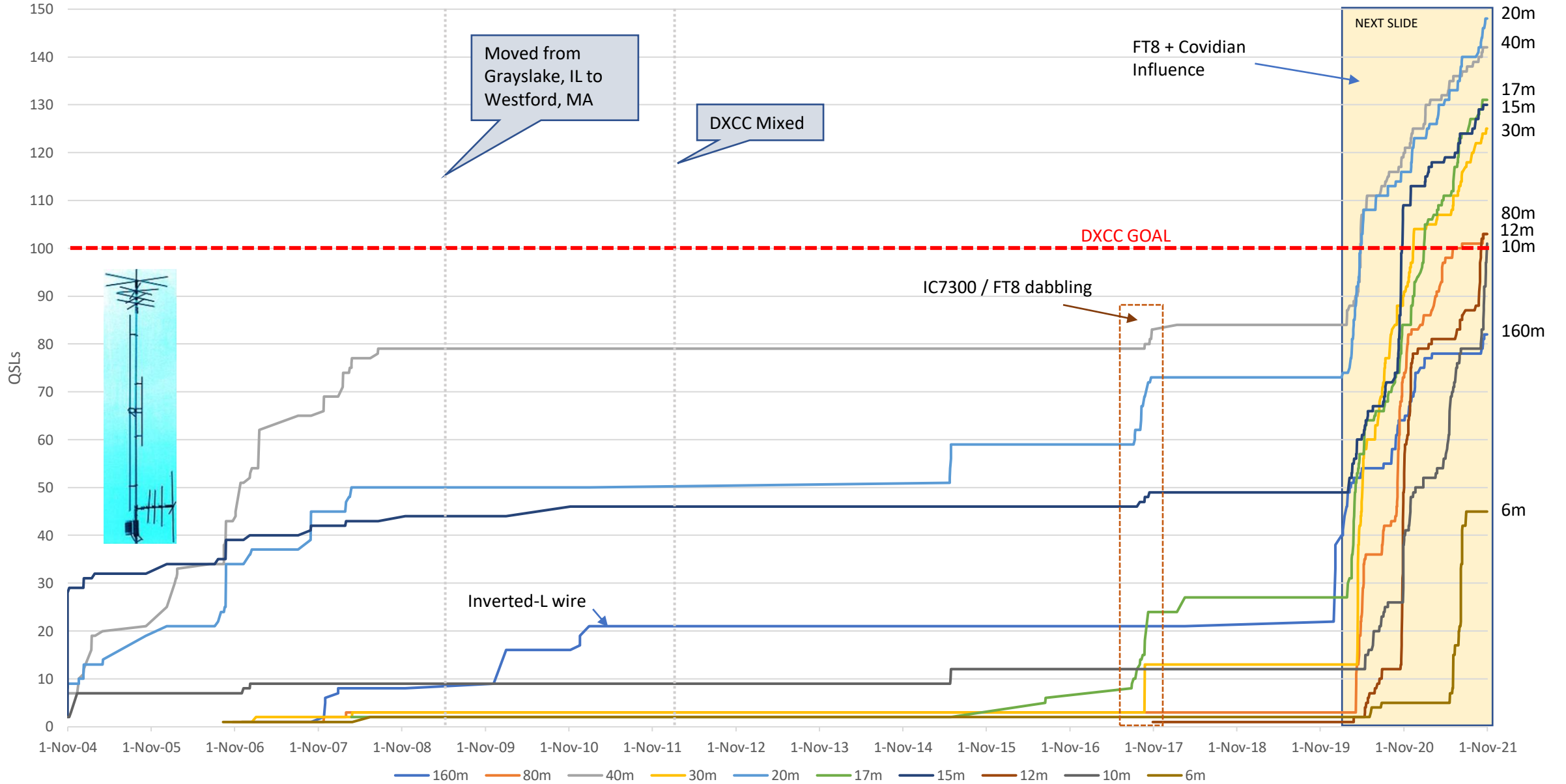


- 5BWAS #3941 - 06-JUL-2021
 - w/endorsements on 160m, 30m, 17m, 12m → 9BWAS
 - Only need AK and HI for 6m WAS
 - Medallions on backorder
- DXCC Challenge Level 1,000 - 15-JUL-2021
- 5BDXCC #9921 - 31-OCT-2021
 - w/endorsements for 30m, 17m, 12m → 8BDXCC
 - Cannot consist of deleted entities
 - Need 17 more QSLs for 160m-DXCC
- VUCC-6m #3038 - 25-JUN-2020



TIMELINE

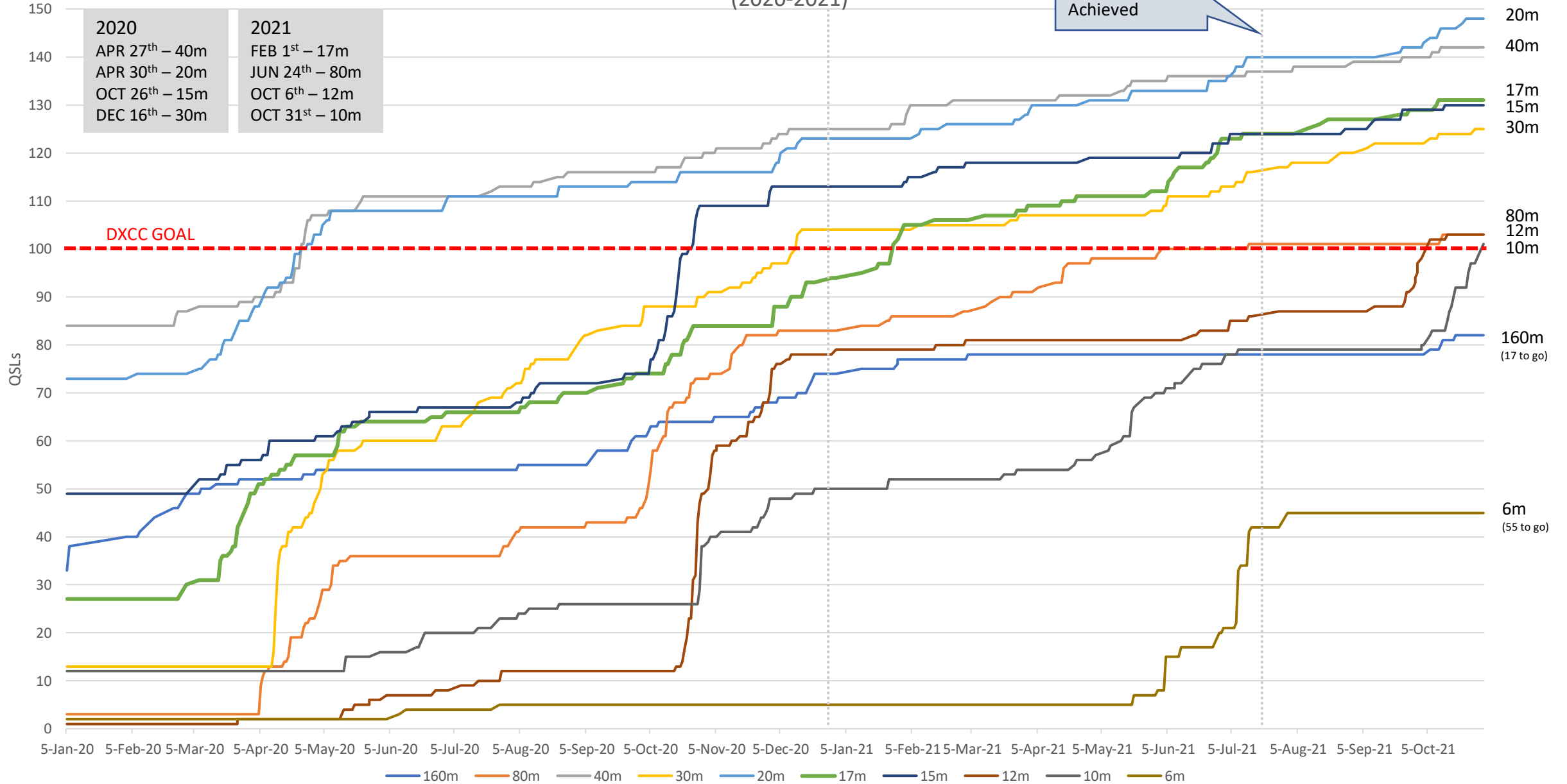
AG1A DXCC QSL Count History by Band



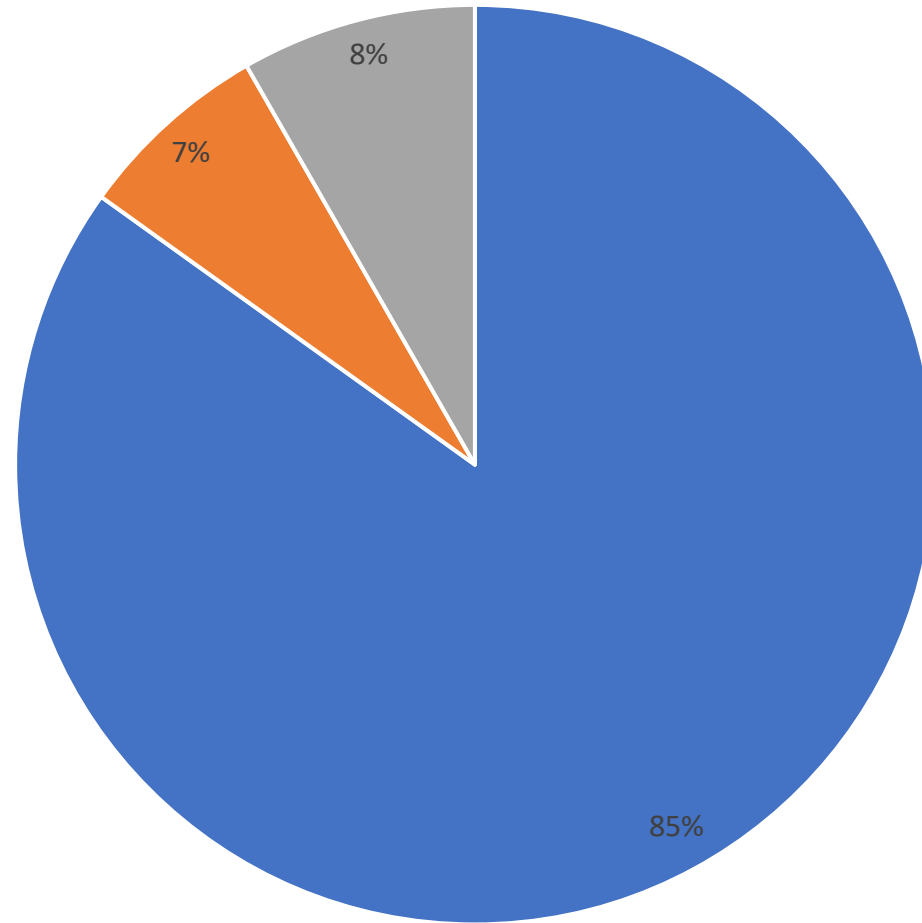
TIMELINE

AG1A DXCC QSL Count History by Band
(2020-2021)

DXCC Challenge
Level 1,000
Achieved



General Mode Breakdown of all DX QSLs in DXCC Challenge / 8BDXCC



~1,136 QSLs

There is data to support breaking out the large DATA category into FT8, FT4, etc., but would take some effort to match the overall LoTW QSL log with the QSLs used for these awards.

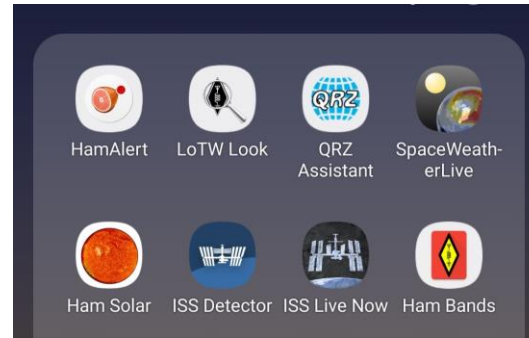
■ DATA (FT8, FT4, RTTY, PSK, JT65) ■ PHONE ■ CW

Logbook of the World

You have 29,071 QSO records

You have 19,243 QSL records

Other Helpful Tools I have used for the chase and tracking



HamAlert

Latest spots

- 21:26Z **TL7MUP** (10.106 CW)
DX de W3UA#: 10106.0 TL7MUP CW 31 dB 29 WPM CQ 2126Z
- 21:19Z **RU2K** (1.841045 FT8)
DX de WA1WCC: 1841.0 RU2K FT8 -24 dB 2119Z (WSJT-X v2.5.2 68dc11)

Triggers

The PSK Reporter source currently ignores FT4/FT8 spots on HF between 80-20m for the 30 least wanted DXCCs until further notice due to spot overload in the backend. [More info](#)

Conditions	Actions	Comment
Band: 6m Mode: JT, FT8, FT4 DXCC: 297 DXCCs Spotter state: 8 states	App	1.075579 FT8) US: 21075.6 V47JA FT8 -23 dB 1927Z mer 0.34.1 KiwiSDR)
Band: 160m Mode: 6 modes DXCC: 258 DXCCs Spotter state: 9 states	App	1.074 FT8)

Edit trigger

Conditions

- Band: 160m
- Mode: 6 items selected
- DXCC: 258 items selected
- QSL methods: LoTW
- Spotter state: 9 items selected

Actions

- Email
- Email 2
- App
- Threema
- SMS
- Telnet
- URL

LoTW Look

LoTW QSLs

Call sign	Worked	QSO Date	Band	Mode	Country
AG1A	SV9BMG	2021-10-16 12:03:15	15M	FT8	Cze
AG1A	WD8ILJ	2021-11-14 03:16:45	160M	FT8	Unit
AG1A	PU9YCZ	2021-09-27 21:37:15	10M	FT8	Bra
AG1A	VE3II	2021-11-14 03:13:45	160M	FT8	Can
AG1A	W4YHD	2021-11-14 03:20:15	160M	FT8	Unit
AG1A	KB1EFS/2	2021-11-10 00:08:15	160M	FT8	Unit
AG1A	LU4DRH	2021-10-09 19:36:00	10M	FT8	Arg
AG1A	K1NH	2021-11-05 23:00:30	20M	FT8	Unit
AG1A	HD8R	2021-11-02 03:17:14	160M	FT8	Galk
AG1A	HD8R	2021-11-02 01:32:36	30M	CW	Galk
AG1A	HD8R	2021-11-01 12:23:47	20M	CW	Galk
AG1A	HD8R	2021-10-27 03:44:15	30M	FT8	Galk
AG1A	HD8R	2021-10-26 21:10:45	10M	FT8	Galk
AG1A	K3NOQ	2020-11-21 21:19:00	12M	FT8	Unit
AG1A	OK8WWV	2021-03-28 03:24:45	80M	FT8	Cze
AG1A	LU1DIE	2021-10-30 15:21:45	10M	FT8	Arg
AG1A	KA1ULN	2020-03-24 00:04:00	20M	FT8	Unit
AG1A	KA1ULN	2020-11-07 20:55:00	10M	FT8	Unit
AG1A	KA1ULN	2020-11-27 20:20:00	10M	FT8	Unit
AG1A	KA1ULN	2020-11-26 01:19:15	160M	FT8	Unit
AG1A	KA1ULN	2021-03-03 01:15:03	12M	SSB	Unit
AG1A	KA1ULN	2021-03-03 01:18:30	15M	SSB	Unit
AG1A	KA1ULN	2021-03-03 01:26:34	17M	SSB	Unit
AG1A	KA1ULN	2021-03-02 21:01:45	10M	FT8	Unit
AG1A	KA1ULN	2021-03-30 19:16:00	10M	FT8	Unit
AG1A	KA1ULN	2021-04-17 20:54:45	6M	FT8	Unit
AG1A	AI4EY	2021-11-10 01:57:00	160M	FT8	Unit
AG1A	PJ2MAN	2021-03-27 00:33:30	40M	FT8	Cur
AG1A	PJ2MAN	2021-06-10 11:44:15	20M	FT8	Cur
AG1A	PJ2MAN	2020-04-08 15:57:00	17M	FT8	Cur

HAM SOLAR

DEV: 9N2ZOW

Solar-Terrestrial Data

14 Nov 2021 2135 GMT

SFI: 78 SN: 24
A: 4 K: 0
X-Ray: A7.7
304A: 119 @ EVE
Ptn Flx: 27
Etc Flx: 1190
Aurora: 1/n=1.99
Bz: -1.0 SW: 292.8

HF Conditions

Band	Day	Night
80m-40m	Good	Good
30m-20m	Fair	Fair
17m-15m	Poor	Poor
12m-10m	Poor	Poor

VHF Conditions

Aur Lat 67.5°
Aurora Band Closed
6n EsEU Band Closed
4n EsEU Band Closed
2n EsEU Band Closed
2n EsNA Band Closed
EME Deg Excellent
Solar Flare Prb 19%

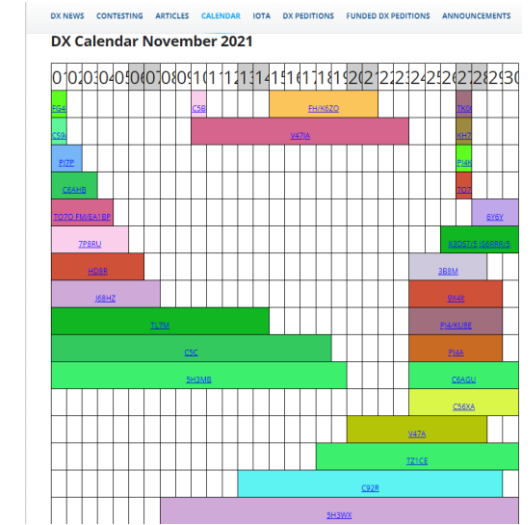
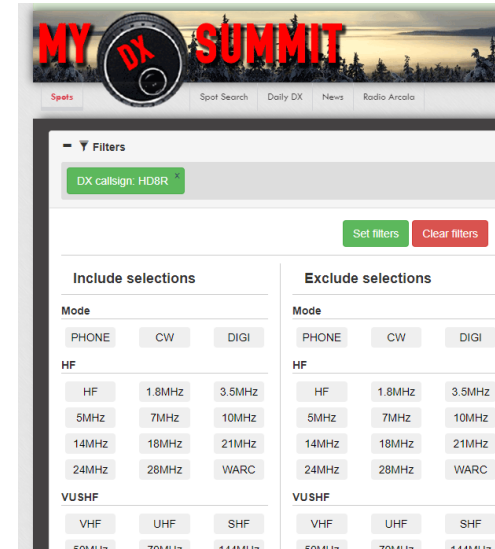
MUF 18.5
M3000 18.5
MUF US Boulder 22.80

Geomag Field INACTIVE
Sig Noise Lvl S0-S1
MUF US Boulder 22.80

Recent Shift in Strategy

Chasing DXpeditions!

- DXpedition Dance Card to keep focused
- Used DXpedition news sources
 - Favorite → <https://dxnews.com/>
- Monitor activity on <http://dxsummit.fi/>
 - Filter to focus on targets.



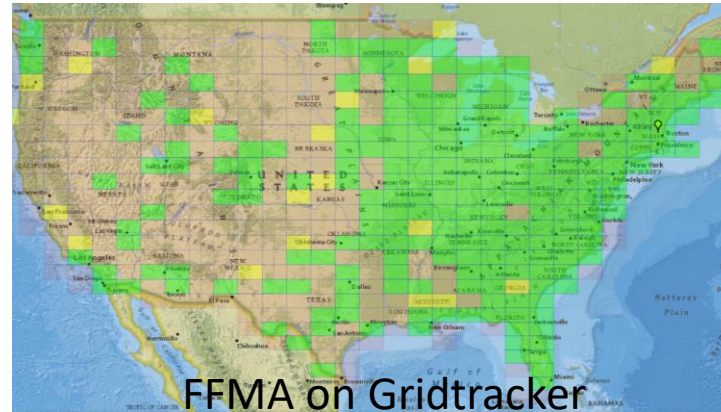
	Guinea-Bissau (Bubaque Island)	Sao Tome & Principe	Lesotho	Sint Maarten	Kingdom of Eswatini (Swaziland)	Galapagos	The Gambia	St Kits & Nevis	Central African Republic
BAND	J5HKT	S9OK	7P8RU	PJ7P	3DA0RU	HD8R	C5C	V47JA	TL7M
10m	V	V	V	W	V	V			
12m	V								
15m	V		V						
17m	V	V	V		V				
20m	V	V	V		V	V			
30m	V	V	V	W	V	V			
40m	V	V	V		V			W	W
80m	V	V							
160m	V	V			V	V			
QSL	QSLd	QSLd	QSLd		QSLd	QSLd			

W = Worked
V = Verified / QSL'd

Still many other awards for me to chase...

DXCC Award	New LoTW QSLs	LoTW QSLs in Process	DXCC Credits Awarded	Total (All)	Total (Current)
Mixed *	5	0	183	188	186
CW	0	0	77	77	76
Phone	0	0	54	54	53
Digital *	6	0	169	175	173
Satellite	0	0	5	5	5
160M	2	0	81	83	82
80M *	0	0	103	103	102
40M *	2	0	142	144	142
30M *	3	0	127	130	130
20M *	1	0	148	149	148
17M *	2	0	131	133	133
15M *	1	0	130	131	130
12M *	2	0	106	108	108
10M *	15	0	101	116	115
6M	0	0	45	45	45
2M	0	0	1	1	1
70CM	0	0	1	1	1
Challenge *	28	0	1107	---	1135
5-Band *	---	---	---	---	---
5-Band 30M *	---	---	---	---	---
5-Band 17M *	---	---	---	---	---
5-Band 12M *	---	---	---	---	---

* = Award has been issued

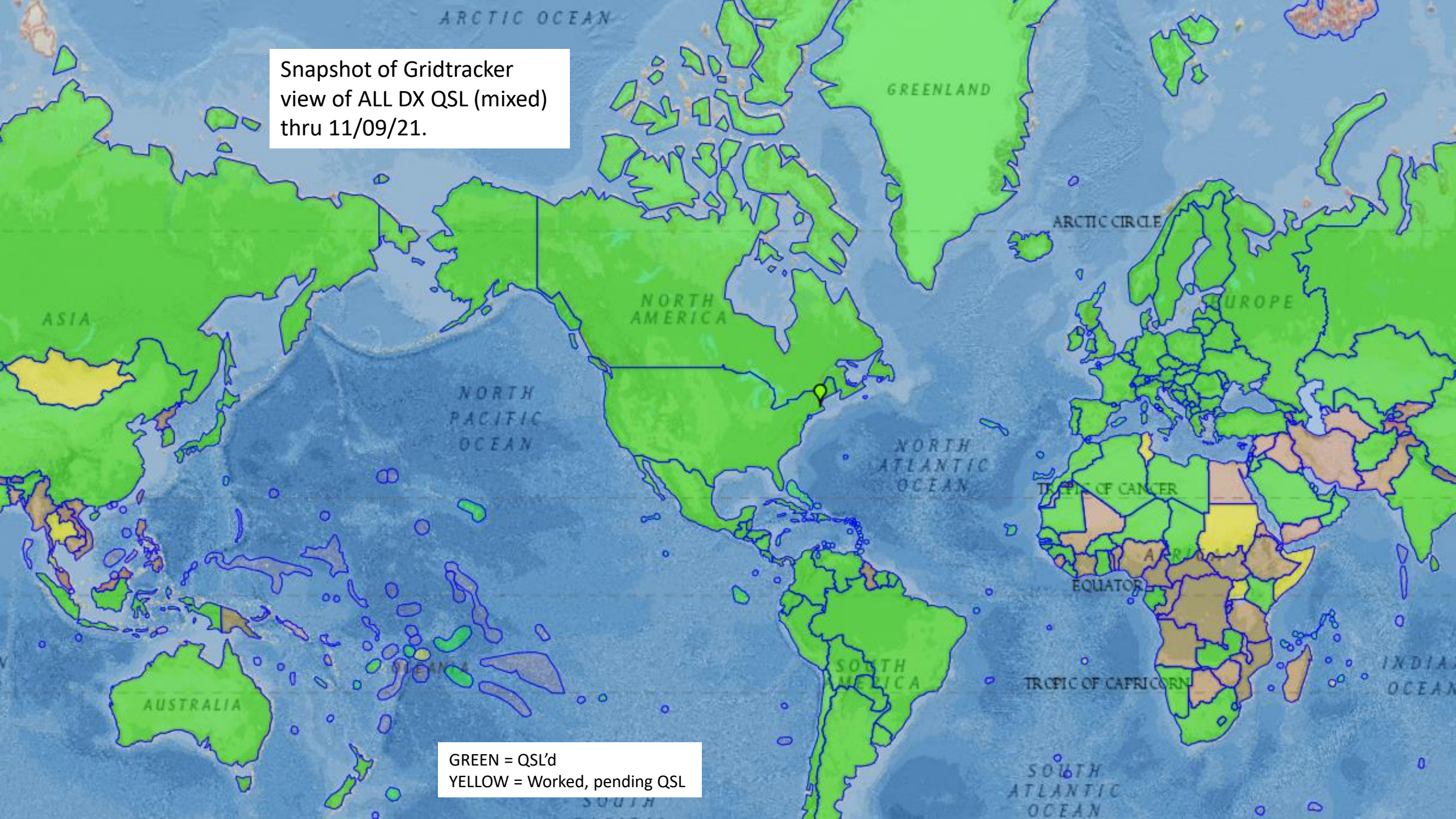


VUCC Award	New LoTW QSLs	LoTW QSLs in Process	VUCC Credits Awarded
Fish Memorial Award	1	0	216
VUCC 50 MHz *	1	0	300
VUCC 144 MHz	3	0	0
VUCC 432 MHz	2	0	0
VUCC 1296 MHz	1	0	0
VUCC Satellite	59	0	0

* = Award has been issued

- Worked All Zones (2 to go)
- 160m & 6m DXCC
- CW DXCC
- VUCC Satellite
- Triple Play (WAS on Phone, Digi, and CW)
- Bumping up DX counts in general
- DXCC Challenge Level 1,500
- Fred Fish Memorial Award (FFMA - 488 gridsquares of the lower 48 states)

Snapshot of Gridtracker
view of ALL DX QSL (mixed)
thru 11/09/21.



GREEN = QSL'd
YELLOW = Worked, pending QSL



November 2021 view of station...





Thanks to my Hamily
and Friends for the
support during this
Challenge Quest!



- Wayne / AG1A
- Michelle / K9DOG
- Megan / KC1FGH
- Mikayla / N1BKR

