



**W0TLM**  
**Amateur Radio Club**

# How I use computers and a cell phone to enhance amateur radio.

WØGAS

- Podcasts
- YouTube
- Useful Information
- Propagation
- Web SDR
- DX Clusters
- Rig Control
- Logging
- DMR/OpenSpot
- CW Learning/Practice/Resources/Materials

# Podcasts

- Podcasts

- QSO Today: <https://www.qsotoday.com/>
- ARRL Audio News: <http://www.arrl.org/arrl-audio-news>
- ARRL The Doctor is in: [https://www.blubrry.com/arrl\\_the\\_doctor\\_is\\_in/](https://www.blubrry.com/arrl_the_doctor_is_in/)
- Ham Radio Work Bench: <https://www.hamradioworkbench.com/>
- SolderSmoke: <http://soldersmoke.blogspot.com/>
- Ham Radio 360 Legacy Podcast Archives: <http://hamradio360.com/>
- DitDit.fm: <https://www.ditdit.fm/>
- Quote of the day: <http://www.morseresource.com/podcasts.php>

# QSO Today

- List of Episodes with links:

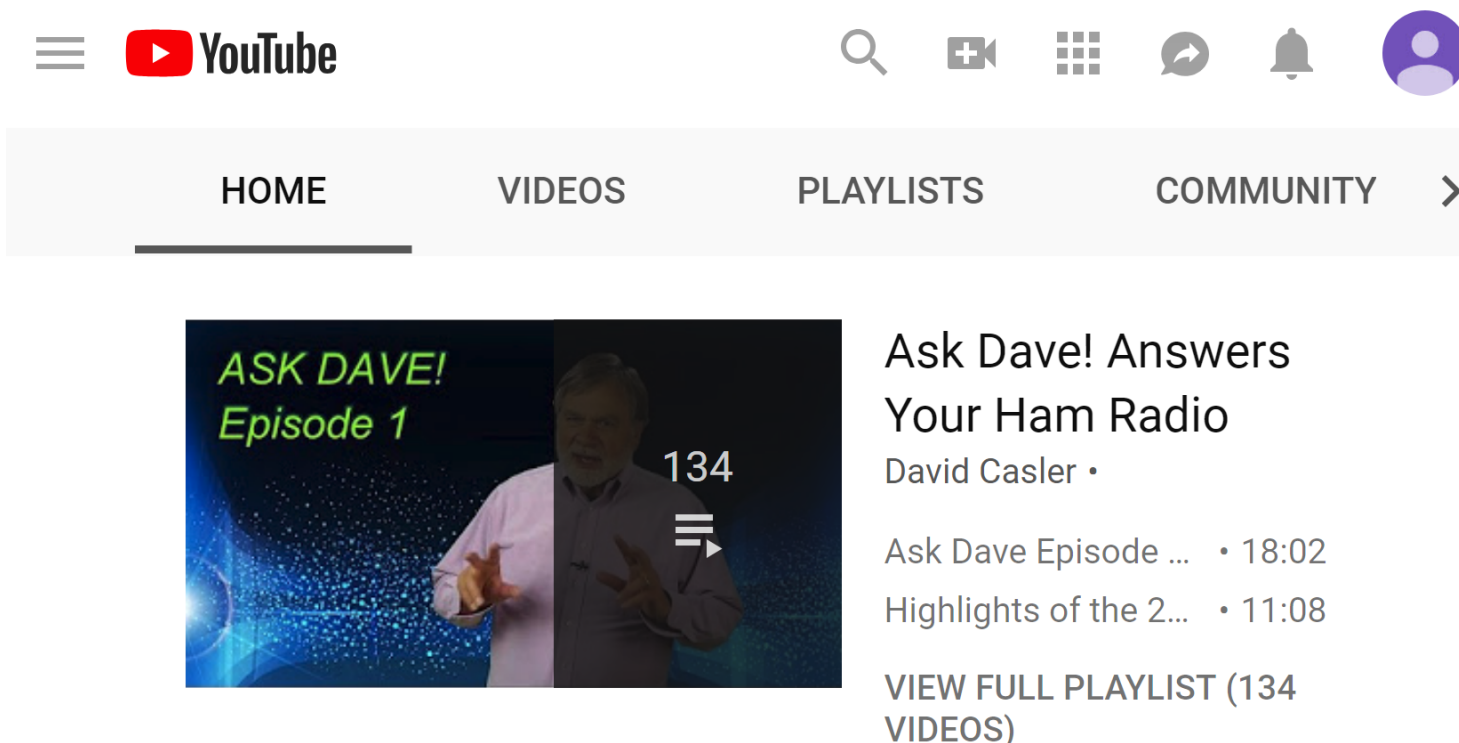
<https://docs.google.com/spreadsheets/d/1Z7MY-8Hk-6eU0k0HOP11auoBZ9JpQ1ueSgMB3jpLFhg/pubhtml?gid=0&single=true>

# QSO Today – some episodes of interest:

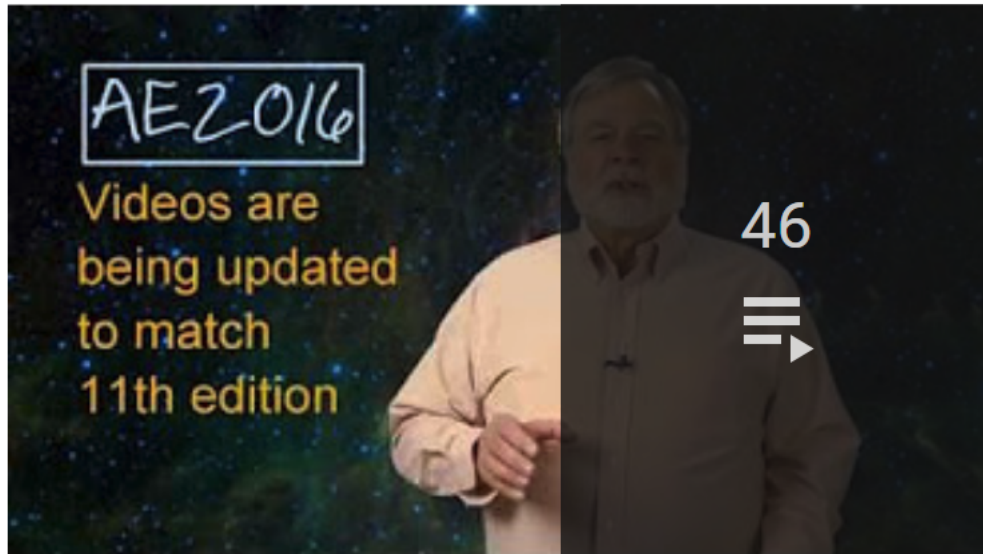
- Wayne Burdick N6KR – co-founder of Elecraft
- Glen Popiel KW5GP – Author of ARRL books on Arduino
- Steve Galchutt WG0AT – Our own mountain goat
- Bill Meara N2CQR – Podcaster and author - Soldersmoke
- Pete Juliano N6QW – Homebrewer and podcaster - Soldersmoke
- Bob Heil K9EID- Audio pioneer
- Peter Parker VK3YE
- Art Bell W6OBB- Talk Radio pioneer
- Ashar Farhan VU2ESE – BitX and UBitX creator
- Rex Harper W1REX – QRP kit seller
- Bob Witte K0NR
- Hans Summers G0UPL – QRP Labs founder
- Rob Sherwood NC0B – Local ham who evaluates rigs
- Rob Brownstein K6RB – co-founder of CWOPS and CW Academy
- Dave Cassler KE0OG – Montrose CO ham with hundreds of YouTube Videos
- Ulrich Rohde N1UL – pioneer in RF Oscillator design, runs Rohde and Schwartz
- Gerald Youngblood K5SDR – a founder of Flex Radio

Dave Casler – KE00G:

<https://www.youtube.com/user/davecasler/featured>



The image shows a screenshot of a YouTube channel page for Dave Casler. At the top, the YouTube logo is visible on the left, and navigation icons for search, live streaming, grid, share, notifications, and profile are on the right. Below the navigation bar is a menu with four options: HOME (selected), VIDEOS, PLAYLISTS, and COMMUNITY. The main content area features a video player on the left with a thumbnail showing a man in a white shirt against a blue, starry background. The text 'ASK DAVE! Episode 1' is overlaid on the video. To the right of the video player, the number '134' is displayed above a menu icon. Further right, the title 'Ask Dave! Answers Your Ham Radio' is shown, followed by the channel name 'David Casler'. Below the title, two video thumbnails are listed: 'Ask Dave Episode ...' with a duration of 18:02, and 'Highlights of the 2...' with a duration of 11:08. At the bottom of the playlist section, there is a link that says 'VIEW FULL PLAYLIST (134 VIDEOS)'.



## Amateur Extra Ham Radio License

David Casler •

Announcement: Am... • 3:20

Amateur Extra Cours... • 8:41

[VIEW FULL PLAYLIST \(46](#)

# Other YouTube Channels

- Ham Radio 2.0: <https://www.youtube.com/user/kc5hwb/playlists>
- K7AGE: <https://www.youtube.com/user/K7AGE/videos>
- Space Weather Woman, Tamitha Skov:  
<https://www.youtube.com/user/SpWxfx>



# Useful Information

- <https://www.qrz.com/>
- QTH Locator: <http://k7fry.com/grid/>
- Maidenhead Grid Square Locator Map: [http://www.levinecentral.com/ham/grid\\_square.php](http://www.levinecentral.com/ham/grid_square.php)
- Satellites: <https://www.amsat.org/>
- LoTW: <https://lotw.arrl.org/lotw/default>
- Asimuthal Map: <https://ns6t.net/azimuth/azimuth.html>
- Magnetic Declination Adjustment: <https://www.ngdc.noaa.gov/geomag/calculators/magcalc.shtml#declination>

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# QRZ.com

- Complete database of call signs
- Biographical information about me and my station (accessible by those who look me up on QRZ)
- Amateur Radio News
- Marketplace to buy and sell gear
- Forums
- Logging is available



## WOGAS USA

GREGORY A SMITH  
4955 CHIPPEWA DR  
LARKSPUR, CO 80118-8924  
USA

**QSL:** LoTW or direct

*Email:* [Greg@WOGAS.com](mailto:Greg@WOGAS.com)

Greetings from Larkspur, Colorado. The picture (above) is what I see from the window in my shack. I'm located about 15 miles SW of the town of Castle Rock (which in turn is about 25 miles south of Denver, CO). It's a foothills location, my shack is at about 6,700 feet in elevation. I'm in a ponderosa pine forest. I have neighbors, but not too close. Fortunately, no restrictive covenants. My location is not great for line of sight transmission/reception. I'm on a sandstone ridge, but surrounded by slightly higher features. Since the slightly higher features are not that much higher, they present issues for VHF/UHF (and other line of sight contacts), but are not as large a problem for HF. Of course, the mountains to the West also have an adverse effect.

I'm new to the hobby (started in late 2016). I upgraded to Amateur Extra in January 2017.

My HF station is a Yeasu FT-DX3000 with an Alpha-Delta DX-CC dipole (80m-10m) and an 80-10 end fed half wave (from MyAntennas.com), both of which are hung in the ponderosa pines about 35'-45' in the air, near the top of an E-W ridge, with the dipole sloping slightly downward to the North and the EFHW running WSW. I use an LDG AT100ProII antenna tuner for the dipole.

FISTS No. 18303.

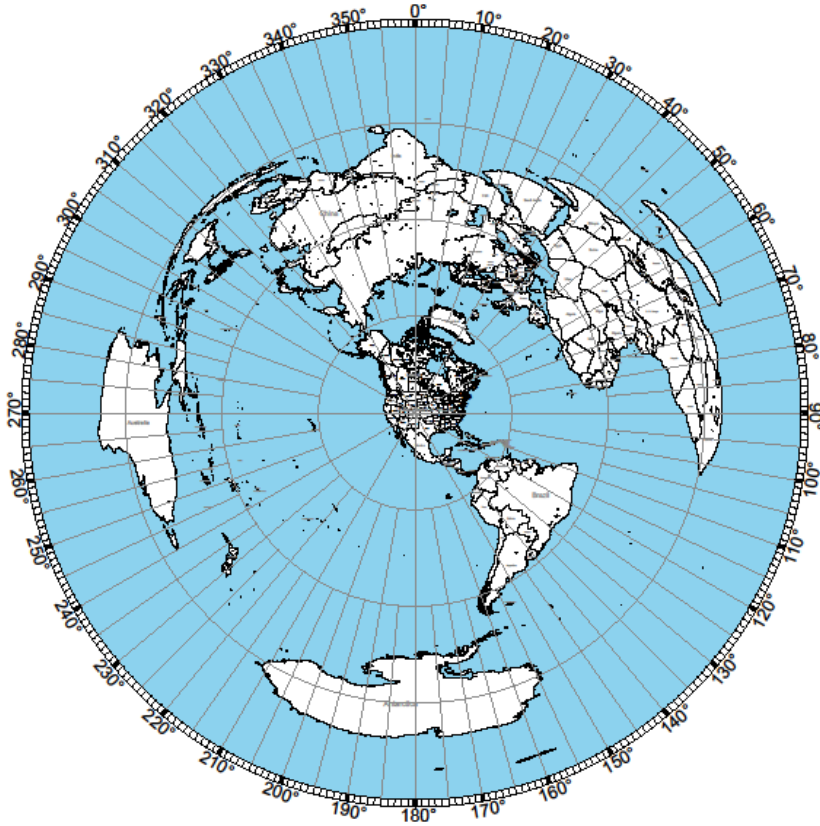
Although I'm a member of SKCC (No. 16741), I don't use my straight key (yet).

I use LoTW (preferred for all) and I have a nice QSL card designed by Jeff at K1NSS for direct

# Azimuthal Map

Center: 39°14'58"N 104°58'43"W

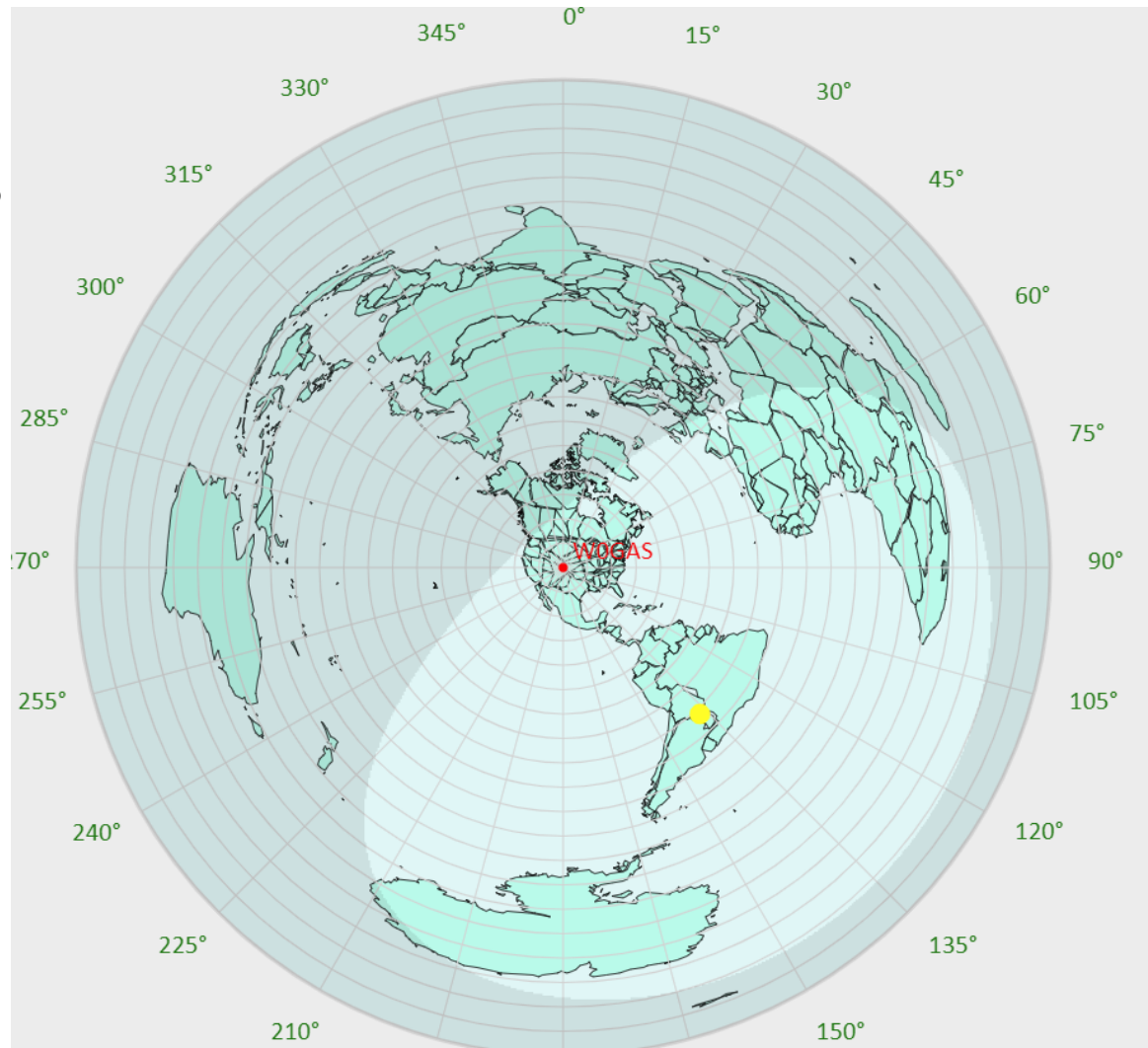
Courtesy of Tom (NS6T)

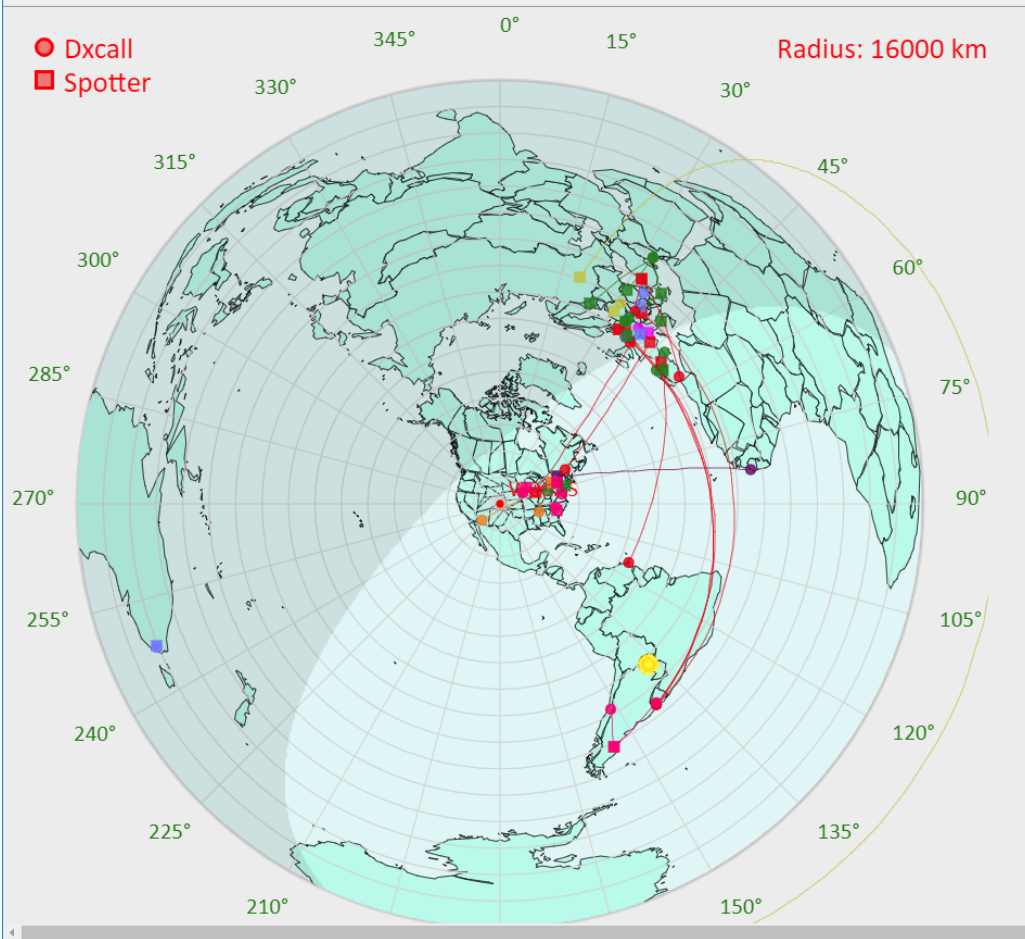


Exact magnetic declination as of  
12/22/2018: 8° 4' E ± 0° 21' changing  
by 0° 6' W per year

Map from <http://ns6t.net/>

Ha8tk's RBN Azimuthal Map





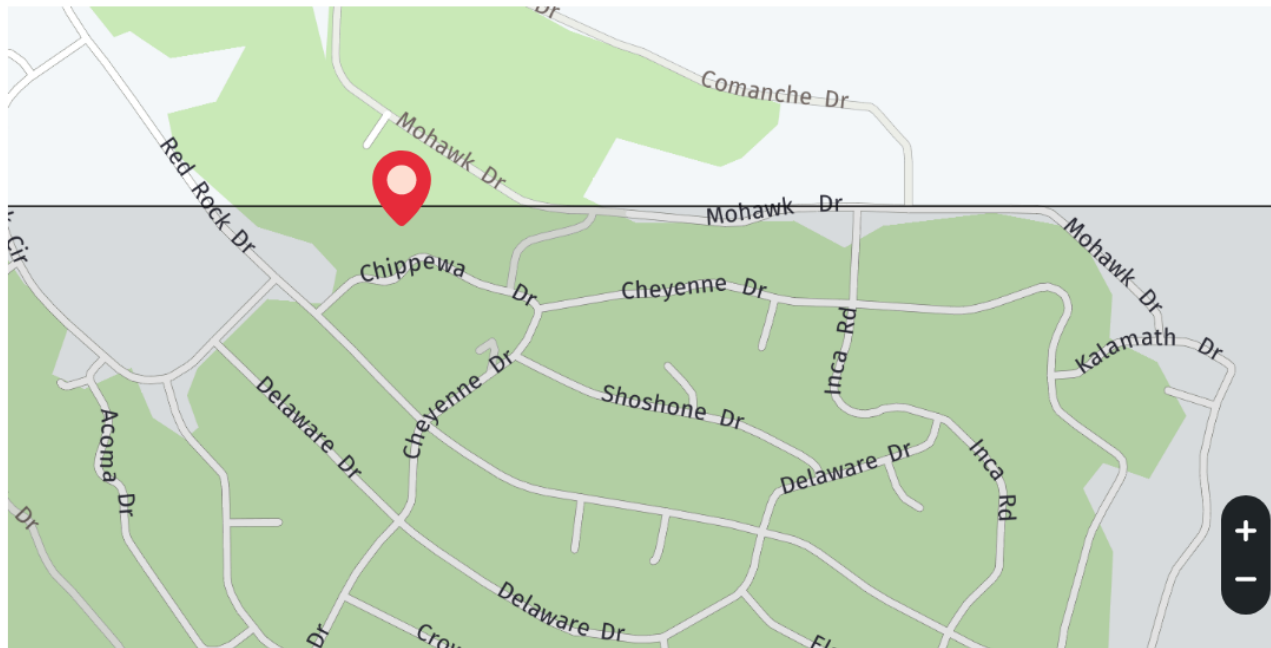
15:59	<b>HA7EG</b>	<b>14074.0</b>	TA2K	FT8	15:58	<b>EG1PIN</b>	<b>7104.0</b>	E
15:58	<b>VE2TFL</b>	<b>14180.0</b>	F6HTS	SSB	15:58	<b>OD5YA</b>	<b>7144.0</b>	Y
15:57	<b>9YL1JM</b>	<b>14145.0</b>	EA2BV	SSB	15:57	<b>EGPIN</b>	<b>7104.0</b>	E
15:57	<b>CX2AQ</b>	<b>14003.0</b>	DJ7YP	CW	15:57	<b>OK1RZ</b>	<b>7025.0</b>	S
15:56	<b>ON4UN</b>	<b>14009.0</b>	KN9K	CW	15:57	<b>K3Y/4</b>	<b>7050.0</b>	W
15:55	<b>CX2AQ</b>	<b>14003.0</b>	DL4CH	CW	15:56	<b>OD5YA</b>	<b>7144.0</b>	E
15:55	<b>CX2AQ</b>	<b>14003.0</b>	DL1HBT	CW	15:56	<b>DL20IKT</b>	<b>7123.0</b>	D
15:54	<b>CX2AQ</b>	<b>14003.0</b>	9A2AJ	CW	15:55	<b>OD5YA</b>	<b>7144.0</b>	I
15:54	<b>EA7TR</b>	<b>14074.0</b>	TA2K	FT8	15:55	<b>DL20IKT</b>	<b>7123.0</b>	D
				<b>6m</b>	<b>80m</b>			
15:57	<b>CE3RR</b>	<b>50110.0</b>	LU2WC	CW	15:57	<b>VK3ATO</b>	<b>3796.0</b>	V
15:57	<b>KF2T</b>	<b>50313.0</b>	W0VTT	FT8	15:57	<b>PG7V</b>	<b>3575.2</b>	I
15:56	<b>CX3ET</b>	<b>50110.0</b>	LU2WC	CW	15:55	<b>LZ10WCA</b>	<b>3530.9</b>	V
15:56	<b>N0AN</b>	<b>50313.0</b>	K2CS	FT8	<b>10m</b>			
15:55	<b>W3OA</b>	<b>50313.0</b>	KK4XO	FT8	15:57	<b>N7NEV</b>	<b>28074.0</b>	
15:54	<b>N0AN</b>	<b>50313.0</b>	W2NNY	FT8	15:56	<b>ND6M</b>	<b>28074.0</b>	
				<b>30m</b>	<b>2m</b>			
15:56	<b>VK0HZ</b>	<b>10136.0</b>	RA3S	FT8	15:55	<b>DK5MY</b>	<b>144300.0</b>	
15:56	<b>HF80PGB</b>	<b>10136.0</b>	SP2GR	FT8	<b>17m</b>			
					15:58	<b>9LY1JM</b>	<b>18073.9</b>	

Maidenhead - [www.levinecentral.com/ham/grid\\_square.php](http://www.levinecentral.com/ham/grid_square.php)

Call [WOGAS](#) found for [GREGORY A SMITH](#)

Address found: 4955 CHIPPEWA DR, LARKSPUR, CO, 80118-8924, United States  
Latitude: 39.2496 / 39° 14' 58" N Longitude: -104.979 / 104° 58' 44" W

Grid: **DM79mf**



# Propagation


- HF Propagation Tools and Solar Data:  
<http://www.hamqsl.com/solar.html>
- DX Maps:  
<https://www.dxmaps.com/spots/mapg.php?Lan=&Frec=&ML=&Map=&HF=&DXC=ING2&GL=>
- Point to point VOACAP Online HF Predictions:  
<http://www.voacap.com/hf/>
- Reverse Beacon: <http://www.reversebeacon.net/index.php>
- NCDXF/IARU International Beacon Project:  
<https://www.ncdxf.org/beacon/intro.html>
- PSK Reporter: <https://pskreporter.info/pskmap>



Solar-Terrestrial Data - <http://www.n0n0bh.com>

15 Sep 2012 1515 GMT  
 SFI 97 SN 53  
 A 6 K 2 / Pintry  
 X-Ray B1.5  
 304A 141.0 @ SEM  
 Ptn Flx 0.13  
 Elc Flx 445.00  
 Aurora 4 /n=0.92  
 Aur Lat 63.9°  
 Bz -1.2 SW 393.2

VHF Conditions	
Item	Status
Aurora	Band Closed
6m EsEU	Band Closed
4m EsEU	Band Closed
2m EsEU	Band Closed
2m EsNA	Band Closed
EHE Deg	Good



MUF 12.5  
 M3000 MUF 12.5

HF Conditions		
Band	Day	Night
3n-4n	Fair	Good
5n-20n	Good	Good
17n-15n	Fair	Fair
12n-10n	Poor	Poor
Geomag Field QUIET		
Sig Noise Lvl 51-52		
MUF US Boulder 14.88		

(C) Paul L. Herrnan 2012


Condition	K-In	A-In
Quiet	0-2	0-7
Unsettled	3	8-15
Active	4	16-29
Minor storm	5	30-49
Major storm	6	50-99
Severe storm	7-9	>100

SFI	A-In	K-In	Prop	Opng
>180	<8	<3	E-W	open
>180	<8	>3	N-S	open
>250	>30	>3		Aurora

Solar-Terrestrial Data - <http://www.n0n0bh.com>

11 May 2013 1432 GMT  
 SFI 124 SN 149  
 A 5 K 1 / Pintry  
 X-Ray B9.7  
 304A 158.6 @ SEM  
 Ptn Flx 0.21  
 Elc Flx 434.00  
 Aurora 4 /n=0.83  
 Aur Lat 63.9°  
 Bz -3.5 SW 392.6

VHF Conditions	
Item	Status
Aurora	Band Closed
6m EsEU	50MHz ES
4m EsEU	Band Closed
2m EsEU	Band Closed
2m EsNA	Band Closed
EHE Deg	Fair

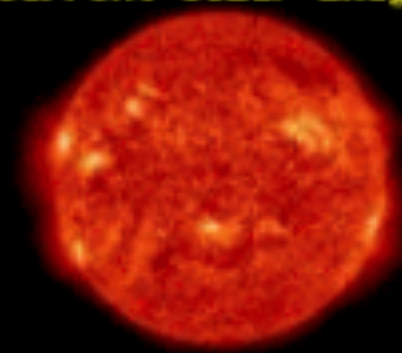


MUF 12.5  
 M3000 MUF 12.5

HF Conditions		
Band	Day	Night
6n-4n	Fair	Good
8n-20n	Good	Good
17n-15n	Fair	Fair
12n-10n	Fair	Poor
Geomag Field VR QUIET		
Sig Noise Lvl 50-51		
MUF US Boulder 22.32		
MS CNT 13 CND Low		

(C) Paul L. Herrnan 2013

Current Solar Image



# DXMAPS 4.0 - QSO/SWL real time information

ARRL Audio News | QSO/SWL real time maps and lists

https://www.dxmaps.com/spots/mapg.php?Lan=&Frec=&ML=&Map=&HF=&DXC=ING2&GL=

LF - HF | VHF & up | 2200 m | 600 m | 160 m | 80 m | 60 m | 40 m | 30 m | 20 m | 17 m | 15 m | 12 m | 10 m | All bands | Ticker

Click on the map for info of that location  
Right-click for more options

© WWW.DXMAPS.COM - QSO/SWL 03:00  
SFI=71 A=3 K=1-Quiet SWX=Quiet

I am sorry to notice that advertising seems to be blocked by your browser.

Please understand that advertising helps paying the bill of the expensive server required by DXMAPS, together with the donations of the supporter users.

I would appreciate that you disable your Ad Blocker when visiting DXMAPS, or become a supporter user. Otherwise the service could be shut down in some months.

If you have already disabled it but you still get this message then [read this](#).

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# VOACAP

ARRL Audio News | QSO/SWL real time maps and lis... | VOACAP Online HF Predictions

www.voacap.com/hf/

### VOACAP Online HF Predictions (Amateur Radio) – 3:26:17 UTC (8:26 PM)

Select TX QTH:  or set Grid:  or Latitude:  Longitude:   
Select RX QTH:  or set Grid:  or Latitude:  Longitude:

The map displays a world grid with longitude lines from 150W to 180 and latitude lines from 0 to 60N. A red location pin is placed in the western United States (Denver, CO), and a blue location pin is placed in Europe (MM00aa). Two green arcs represent the predicted HF propagation paths between these two locations. A large white shaded area is visible over the Atlantic and Europe. On the left side of the map, there are zoom in (+), zoom out (-), and a compass icon. Below these are icons for a downward arrow, a circle with a dot, a circle with an X, and buttons for 'SP' and 'NoEs'. On the right side, there are buttons for 'CW', 'Antennas', 'Settings', 'Prop Charts', and 'Prop Wheel'. The text 'W0GAS - Greg Smith 19' is visible in the bottom right corner of the map area.

# Reverse Beacon Network

ARRL Audio News | QSO/SWL real time maps and lists | VOACAP Online HF Predictions | main page - Reverse Beacon Network

Not secure | www.reversebeacon.net/main.php

Apps | Colorado Bank, Commerce | Bookmarks | My Ooma - Dashboard | Office 365 | Speedtest.net by Ookla | QuickBooks | Online Banking | Log | Skype | Best Hardware Online | Other bookmarks

**show/hide my last filters**

no filter selected, showing all spots rows to show: 15

search spot by call sign

de	dx	freq	cq/dx	snr	speed	time
DK0TE	UW8SM	3542.2	CW CQ [LoTW]	33 dB	24 wpm	0327z 23 Dec
DK0TE	R3QA	3521.2	CW CQ	23 dB	28 wpm	0327z 23 Dec
DK0TE	UB0A	7009.5	CW CQ [LoTW]	14 dB	30 wpm	0327z 23 Dec
DL8LAS	R3QA	3521.2	CW CQ	25 dB	28 wpm	0327z 23 Dec
DL8LAS	RC9J	3530.2	CW CQ	15 dB	30 wpm	0327z 23 Dec
DL8LAS	RM4F	3536.3	CW CQ	34 dB	33 wpm	0327z 23 Dec
HB9BXE	R8WF	3508.2	CW CQ	36 dB	25 wpm	0327z 23 Dec
HB9BXE	US1VM	7032.1	CW	17	34	0327z 23 Dec

we have 166 skimmers online

**skimmers online:**

- 3B8CW - 40m, 20m
- 3V/KF5EYY - 160m
- 9A1CIG - 160m, 80m, 40m
- 9M2CNC - 20m, 15m
- 9V1RM - 40m, 20m
- AA4VV - 160m, 80m, 40m
- AC0C - 160m, 80m, 40m
- AE4PM - no spot last 15min
- AF7MD - no spot last 15min
- BD4WN - no spot last 15min
- BD7JNA - 20m, 15m
- BD7LLL - 20m
- BG2WRJ - 40m, 20m
- BG4GOV - 40m, 20m
- BG8FT - 40m, 20m
- BG8PA - 40m, 30m, 20m
- BG8SRK - 20m
- BH4BWX - 20m
- BH8ASZ - 20m, 15m
- CT1BOH - 40m
- CX6VM - 80m, 40m, 20m
- DD0VC - 80m

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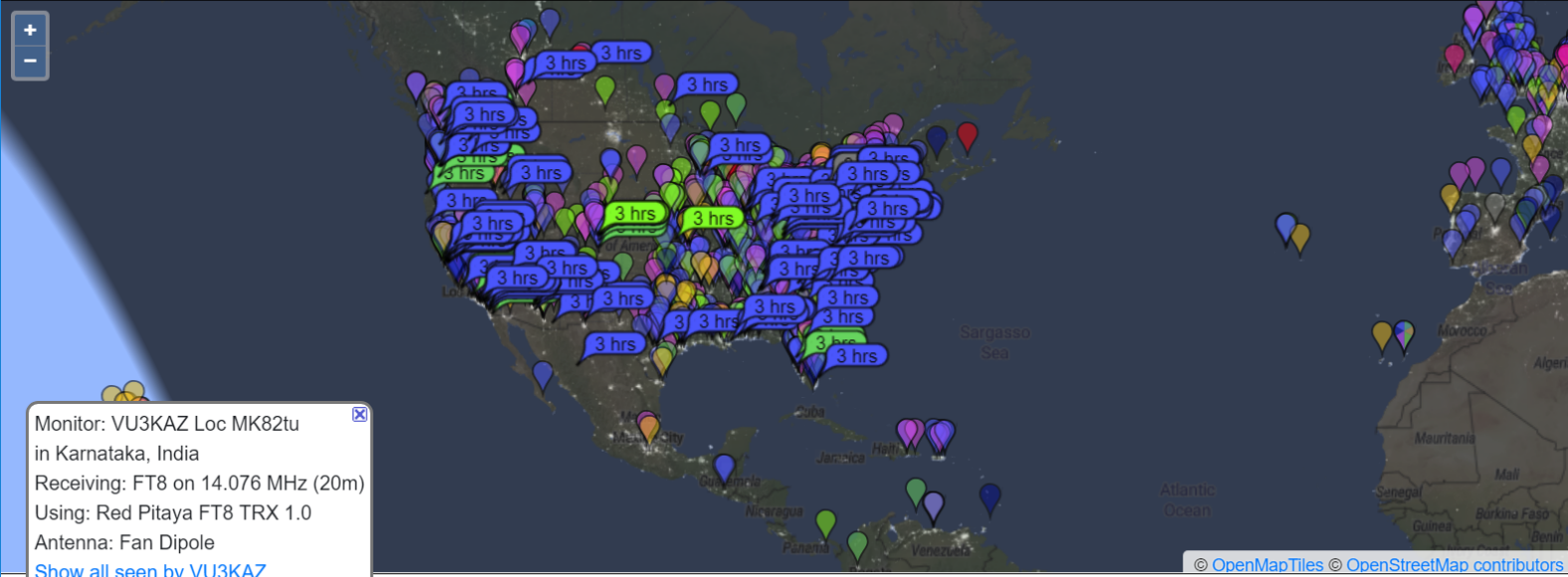
# PSK Reporter

ARRL Audio News | QSO/SWL real time maps and | VOACAP Online HF Predictions | main page - Reverse Beacon | International Beacon Project | Display Reception Reports

https://pskreporter.info/pskmap

On **all bands**, show **signals** sent by **the callsign** **W0GAS** using **FT8** over the last **6 hours** **Go!** [Display options](#)  
[Permalink](#)

Monitoring W0GAS (last heard 3 hrs ago). Automatic refresh in 5 minutes. 166 reception reports for W0GAS are shown as times ([show logbook](#)).  
There are **2620 active FT8 monitors**: **1080 on 40m**, **464 on 80m**, **376 on 20m**, **308 on 160m**, **96 on 60m**, **88 on 30m**, **61 on 6m**, **44 on 15m**, **42 on 17m**, 31 on unknown, **20 on 10m**, **7 on 2m**, **3 on 12m**. [Show all on all bands](#). [Legend](#)







Monitor: VU3KAZ Loc MK82tu in Karnataka, India  
Receiving: FT8 on 14.076 MHz (20m)  
Using: Red Pitaya FT8 TRX 1.0  
Antenna: Fan Dipole  
[Show all seen by VU3KAZ](#)

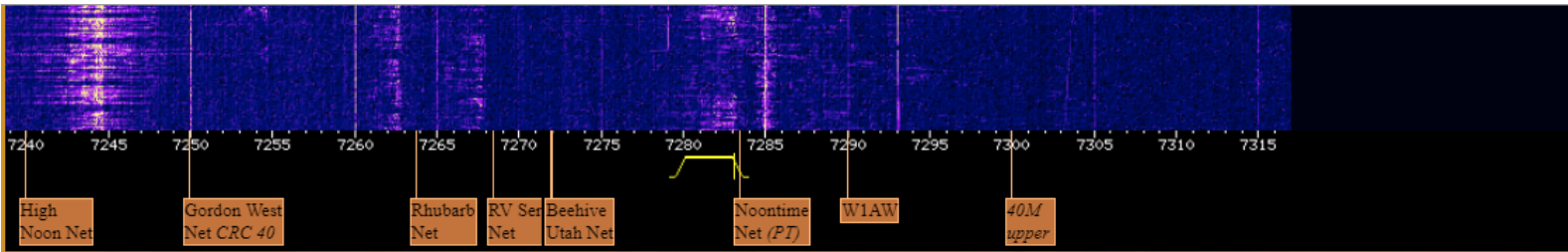
© OpenMapTiles © OpenStreetMap contributors

[System statistics](#). Comments, problems etc to [Philip Gladstone](#). [Online discussion](#) of problems/issues. Reception records: 5,385,176,683

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<http://www.websdr.org/>

 <p><a href="http://websdr.ewi.utwente.nl:8901/">http://websdr.ewi.utwente.nl:8901/</a> JO32KF; 320 users</p>	0.000 - 29.700 MHz	Mini-whip	
 <p>160m, 60m, 80m, 40m and 17m SDR's from Nantwich in Cheshire <a href="http://hackgreensdr.org:8901/">http://hackgreensdr.org:8901/</a> IO83RA; 118 users</p>	1.804 - 1.996 MHz	204 foot long double size G5RV	
	3.600 - 3.792 MHz		
	5.237 - 5.428 MHz		
	7.008 - 7.200 MHz		
	14.130 - 14.322 MHz		
	18.019 - 18.211 MHz		
 <p>Northern Utah WebSDR near Corinne, Utah, U.S.A. - WebSDR #1 (Yellow) <a href="http://websdr1.utahsdr.org:8901/">http://websdr1.utahsdr.org:8901/</a> DN31uo; 22 users</p>	0.516 - 2.564 MHz	TCI 530 Omni Log Periodic	
	1.800 - 1.992 MHz		
	3.450 - 3.642 MHz		
	3.620 - 3.812 MHz		
	3.810 - 4.002 MHz		
	4.701 - 6.749 MHz		
	6.943 - 7.135 MHz		
	7.125 - 7.317 MHz		
 <p>WebSDR DJ3LE North Germany. Visit: <a href="http://www.afu-nord.de">www.afu-nord.de</a> <a href="http://dj3le.spdns.de:8901/">http://dj3le.spdns.de:8901/</a> JO44PN; 26 users</p>	0.476 - 2.524 MHz	84m loop/MiniWhip	
	3.599 - 3.791 MHz	84m loop	
	4.838 - 5.862 MHz		
	7.009 - 7.201 MHz		
	13.478 - 14.502 MHz		
WebSDR in C3 Ordino - ANDORRA PRINCIPALITY	7.008 - 7.200 MHz		Half wave Dipole



2158 UTC 1458 Local (From your computer)

Frequency:  kHz

Enter frequency above, or tune by clicking/dragging/scrollwheel on the frequency scale.

Use the = kHz button to snap to the nearest kHz.

AM-160M-120M
  **160M**
 80cw
  80ph
  75ph
  60M-49M
  40cw
  40ph

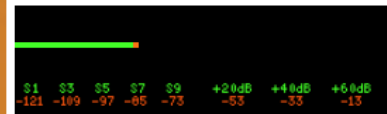
The bands in bold use high-performance receivers. *Please use only one server at a time!*

Clicking a band below will switch to the **Green WebSDR (#2)**

Clicking on a band below will switch to the **Blue WebSDR (#3)**

### Memories:

Memories are stored as cookies on *your* computer, *not* on the server.



-86.8 dBm peak -84.9 dBm

mute
  squelch
  autonotch
  additional audio buffering

May help with drop-outs and/or slow/jittery connections.

Volume:

Audio recording:

Sig. strength plot:

### Bandwidth:

**2.80 kHz @ -6dB; 3.26 kHz @ -60dB.** *Default BW in bold.*

### PassBand Tuning (PBT):

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Use buttons to select BW/mode or drag passband edges on frequency scale. PBT/IF Shift by Weert Websdr.

### Waterfall view:

Or use scroll wheel and dragging on waterfall

Speed:

Size:

View:

Hide labels

Toggle "Hide labels" if labels are missing.

# SDR Play with SDRuno

The screenshot displays the SDRuno software interface, which is divided into several functional panels:

- SDRuno MAIN:** Contains hardware and system settings such as antenna selection (ANT A/B), gain (GR: 65dB), and RF gain reduction. It also shows the current frequency (7.198000 MHz) and signal strength (-96.3 dBm).
- SDRuno RX CONTROL:** Provides modulation mode selection (AM, SAM, FM, CW, DSB, LSB, USB, DIGITAL) and various filter and bandwidth controls. The current mode is set to FM.
- SDRuno EX CONTROL:** Offers advanced processing options like AGC, AM soft filter, and various filter types (SOFT, FC).
- SDRuno AUX SP:** A small auxiliary spectrum analyzer window showing a span of 12 kHz.
- SDRuno RECORDER:** Includes a scheduler configuration and a memory panel for storing recordings.
- SDRuno MAIN SP:** The main spectrum analyzer window, showing a span of 330 kHz. It features a waterfall plot at the bottom and a frequency display at the top right showing 7.198000 MHz and a local oscillator (LO) at 7.150000 MHz. The signal strength is -96.3 dBm and SNR is 1.3 dB.

The interface is dark-themed and includes a keyboard-style control panel for frequency and other parameters. The bottom right corner of the main spectrum plot contains the text "WOGAS - Greg Smith 24".



# Rig Control

- Ham Radio Deluxe: <https://www.hamradiodeluxe.com/>
- N1MM: <https://n1mm.hamdocs.com/tiki-index.php>
- WSJT-X: <https://physics.princeton.edu/pulsar/k1jt/>
- JT Alert: <https://hamapps.com/>
- JS8Call: <http://js8call.com/2018/08/23/ft8call/>
- JTDXX: <https://www.jtdx.tech/en/>

# Yaesu's CAT Control for the FTDX3000



HRD Rig Control - [FTDX-3000]

File Edit View Bands Favorites Quick Save Macros Logbook Radio Options Scanning Tuning Tools Voice DStar Window Help

Connect Selection Favorite Quick Save Satellites Logbook DM780 Rotator Display Mapper Full Screen SW Data Sliders Customize Options Forums Bandscope Audio Grabber Audio Browser Main Tabs

Sele... x

FTDX-3000 x

Bands Favorites Manager Show/hide m Close folders 160m 80m 60m 40m 20m 15m 10m 6m 2m 70cm Air QRP PSK31 Satellites

ALC SWR PWR TX B VFO A B > A VFO B A > B RX A RT ST RX B RT CW TX A RT CCW S1

7.015.000 CW

7.245.000

160m - 10m (Region 2) 03:34:24 UTC

Fine 7.014.6 7.014.8 7.015.0 7.015.2 7.015.4 Fine

10m 12m 15m 17m 20m 30m 40m 60m 75m

BSP 40m 60m 75m

ALT

AF gain: 0 RF gain: 62 Mic gain: 0 110 Noise Reduction: 14

Noise reduction: 14 F-shift: 0 Hz Filter width: 16 Contour: 300 Hz

VOX delay: 500 ms VOX gain: 60 Key speed: 20 WPM TFT Brightness: 4

Quick Save Advanced Macros Menus

WOGAS - Greg Smith 27

HRD Logbook - [My Logbook]

File Edit View Calendar Countries Logbook Tools Window Help

Open Layout A Layout B Satellite Tracking Rig Control Digital Master Rotator Tune-Main Tune-Sub Add Manager About Home Configure Full Screen

W0GAS Home DM79mf 14.205.000 14.062.470

Lookup My Logbook 20m (M)

QRZ.com Logbook X Reset

Callsign: HI8AT

Add Contest Delete View Cut Copy Paste Refresh Width Layout Edit Selections QRZ.com Awards Tracking Backup More... Filter QSL Award LOTW Upload LOTW Download

QSO date	Time on	Call	Mode	Sent	Rcvd	Band	Freq	Name	Country	State	LOTW sent	LOTW received
11/22/2018	00:33:00	XE2BCS	FT8	+01	-05	40m	7.075.589	FERNANDO TALAMANTE...	Mexico	BS	No	No
11/22/2018	00:27:45	KI7FBQ	FT8	+14	-03	40m	7.074.847	Timothy J Dezelle	United States	WA	No	No
11/15/2018	03:32:36	KG5U	CW	599	599	40m	7.034.110	DALE	United States		Yes	No
11/15/2018	03:23:02	KM4CH	CW	599	599	40m	7.038.590	JOHN	United States		Yes	No
11/15/2018	03:05:17	K6LL	CW	599	599	40m	7.031.270	DAVE	United States		Yes	No
11/15/2018	03:02:17	K3WWV	CW	599	599	40m	7.029.900	CHAS	United States		Yes	Verified (Match)
11/14/2018	13:59:31	AC4CA	CW	599	599	40m	7.036.030	JOHN	United States		Yes	No
11/14/2018	13:39:18	K6RB	CW	599	599	40m	7.030.080	ROB	United States		Yes	No

DX Cluster: Spots: W0GAS on N5IN (CC Cluster)

Close Show HF WSI Filter None Alarms Options QRZ.com Spot 144 spots 0 updating

C	B	M	L	Time	Band	Mode	DX Call	Freq	DX Country	Comment	SP State	Spotter
✓	✗	✓	✓	1851Z	160m	LSB	RU3EJ	1.840.0	UA		--	JA7SWL
✓	✗	✗	✓	1851Z	160m	CW	D41CV	1.836.0	D4		--	R1DX
✓	✓	✓		1850Z	20m	USB	HI8AT	14.205.0	HI	trx	ON	VE3TLO
✓	✗	✗		1851Z	80m	CW	RK3QZ	3.520.0	UA		--	R9XM
✓	✗	✗		1850Z	80m	CW	SP307PAF	3.522.7	SP	trx QSO 73!	--	R6NW
✓	✗	✓		1850Z	80m	LSB	HG90HL	3.609.0	HA	not HA90HL	--	ON6UU
✓	✗	✗		1850Z	80m	CW	SP307PAF	3.522.7	SP		--	RJ7M
✗	✗	✗		1850Z	20m	CW	5R8UM	14.003.9	5R	TuAlex CQ'n 1 up	NL	VO2NS
✓	✗	✗		1850Z	20m	CW	CT9ABN	14.021.0	CT3		PA	N3HCN
✓	✓	✓		1850Z	15m	DIGI	PY2PRB	21.076.2	PY	trx drOM FT8 GLDX 73s	--	PY4EP
✓	✗	✓		1850Z	80m	LSB	HG90HL	3.608.99	HA	!!!!	--	OK2PAY
✓	✗	✗		1850Z	20m	CW	CT9ABN	14.021.0	CT3		WA	K7JF
✗	✗	✗		1850Z	80m	CW	EP6RRC	3.512.0	EP	TU57 AS 189 CQCQDX UP1	--	IZ8GCP

14000  
 14050  
 14100  
 14150  
 14200  
 14250  
 14300  
 14350

5R8UM  
 HC5M  
 6D50I  
 A35EU  
 S → 5Z4LS  
 6Y3T  
 CT9ABN  
 V26K  
 VP2EA  
 VP2EAB  
 KD8WBZ  
 PJ4/KU8E  
 ZS10PB  
 M → PZ5T  
 HI8AT  
 ON6OO  
 4U1WB  
 K6ARK

Favorites Lookup Radio Pane 30 Day Solar Data Solar Cycle Progression DX Cluster: Spots: W0GAS on N5IN (CC Cluster)

Ready W0GAS - Greg Smith 28 NUM

# Using Digital Master 780

- If you right-click on the call sign of the other station, it populates into the log window and also enables the macros
- In the send pane, I select the macro message and it inserts the information related to this QSO (i.e., his call, his first name, the mode, the band and frequency, the time and date, etc.)
- I can also type directly into the transmit window and if I press send, it does. I use a macro that “wraps” the text for rag chewing
- I am also able to use the macro on ending to automatically add the QSO to the log
- Lots of modes possible, I only use PSK-31 (e.g., CW; PSK – 31, 63, 125; QPSK 31, 63, 125 [upper and lower side band]; Contestia [too many versions to list]; DominoEx; Hellschreiber, MFSK; MT63; Olivia; RTTY; Thor; Throb, etc.)

Digital Master 780 - [BPSK-31]

File Edit View QSO Logbook SSTV DataController SuperSweeper World Map Tools Window Help

W0GAS Home - DM79ml 19:46:52z 14.070.000

QSO SuperSweeper Radio Soundcard Data Controller Waterfall Satellite Rig Control Logbook Rotator Program Options Full Screen

SuperSweeper BPSK-31

Add Log Entry

(F2) Start: 19:46 (F3) End: 19:46 (F5) Call: KD4VVZ

Name: General L Dailey, II

QTH: Lucedale State/pro

Locator: EM50sv MS

Country: United States

Frequency: 14.070.000

Band: 20m Mode: PSK31 Sent: 599

Add More My Station QSL Help

BPSK-31

19:44:10z> Main  
 KD4VVZ de 7YED  
 D-- Gooa eI'm still on the old b [RSID:Contestia 8/250 f=576Hz](#) uild, the last free version. Too cheap to buy th e w one, I guess, t ed  
 th s one's been fine for me. It ju% dt  
 en't have FT8 on the digital mode for the logbook and I have to |

Send (F4) Auto (F2) Pause (F3) Stop (F5) Repeat RSID Abort

Call CQ Reply Info Closing Various Custom Macros - W0GAS

Enter text to be sent 14.071.653 MHz IMD: -26dB S/N: 28dB

Waterfall

80m 40m 30m 20m 15m 10m 6m Faves Zoom: x1 Main: 1653 Signal: AFC Decode Options

CW RTTY PSK QPSK CONTESTIA DominoEx Hell MFSK MT63 OLIVIA RTTYM THOR Throb Voice Modes

14.070.10 14.070.40 14.070.70 14.071.00 14.071.30 14.071.60 14.071.90 14.072.20 14.072.50 14.072.80

Ready CPU: 1% Audio: 1% Overload HRD Logbook: My Logbook W0GAS Greg Smith 30 RSID OVR CAP NUM SCRL 19:46z

Macros Manager

New Copy Edit Delete Up Down Import Defaults Load Save As

Call CQ Reply Info Closing Various Custom Macros - W0GAS

Macros set: Custom Macros - W0GAS Set Title

Enable	Group	Title	Toolbar	Modes	Definition
<input checked="" type="checkbox"/>	Call CQ	CQ x 2	CQ x 2	*	CQ CQ de <my:callsign> <my:callsign>\nCQ CQ de <my:callsign> <my:callsign>\nPSE K <erase> <stop>
<input checked="" type="checkbox"/>	Call CQ	CQ x 3	CQ	*	CQ CQ de <my:callsign> <my:callsign>\nCQ CQ de <my:callsign> <my:callsign>\nCQ CQ de <my:callsign> <my:callsign>\nPSE K <erase> <stop>
<input checked="" type="checkbox"/>	Call CQ	CQ DX	CQ DX	*	CQ DX CQ DX de <my:callsign> <my:callsign> \nCQ DX CQ DX de <my:callsign> <my:callsign> \nPSE K <erase> <stop>
<input checked="" type="checkbox"/>	Reply	Him de Me Pse K	Him de Me - K	*	<his:callsign> de <my:callsign> <my:callsign> kn <erase> <stop>
<input checked="" type="checkbox"/>	Reply	Report, Name, QTH	RST, Name, QTH	*	<his:callsign> de <my:callsign> \n\nHi <his:firstname> \nReport : <his:sent> <his:sent>\nIMD : <imd> \nS/N : <s/n> \nName : <my:name>\nqth : <my:qth>, Colorado USA \nloc
<input checked="" type="checkbox"/>	Reply	Rag chew env	Rag chew env	*	\n<his:callsign> de <my:callsign> \n\n\nBTU <his:firstname> <his:callsign> de <my:callsign> kn <erase> <stop>
<input checked="" type="checkbox"/>	Info	My info	My info	*	<his:callsign> de <my:callsign> \n\n<his:name>, my info \n Radio : <my:radio> \n Software : HRD \n Antenna : <my:antenna> \n Operator : Born 1953, first licensed 2016 \n Class : Ex
<input checked="" type="checkbox"/>	Info	QTH Short	QTH Short	*	<his:callsign> de <my:callsign> \n<my:qth> : Larkspur Colorado USA <my:qth> Larkspur, Colorado USA <my:locator> <my:locator> BTU <his:callsign> <erase> <stop>
<input checked="" type="checkbox"/>	Info	RST & Name	RST & Name	*	\n<his:callsign> de <my:callsign> \nmy name = Greg \nUR RST: 599, 599 \nIMD = <imd> \nS/N = <s/n> \nBTU <his:callsign> de <my:callsign> kn <erase> <stop>
<input checked="" type="checkbox"/>	Info	QSL method Short	QSL method Short	*	\nMy QSL is OK via eQSL.cc or LoTW or direct.\nBTU <his:callsign> de <my:callsign> kn <erase> <stop>\n
<input checked="" type="checkbox"/>	Closing	73 (long)	73	*	<his:callsign> de <my:callsign> <his:name> thanks for this <my:mode> QSO on <his:band> \nMy QSL is OK via LoTW or direct. 73 \n<his:callsign> de <my:callsign> \n\n<date_utc> <time_utc>
<input checked="" type="checkbox"/>	Closing	Closing 73 short	Closing 73 short	*	<his:callsign> de <my:callsign> <his:name> and thanks for the QSO today on <his:band> . \nMy QSL is OK via LoTW or direct. 73 \n<his:callsign> de <my:callsign> \n\n<date_utc> <time_utc>\n
<input checked="" type="checkbox"/>	Closing	73 after rag chew	73 after rag chew	*	<his:callsign> de <my:callsign> I appreciate the longer QSO. Frequently, these conversations are pretty prefunctory. It's nice to actually chat a little. \n <his:name> thanks for this <my:mode> Q
<input checked="" type="checkbox"/>	Various	Testing	Testing	*	Testing Testing Testing de <my:callsign> <my:callsign> \nTesting Testing Testing de <my:callsign> <my:callsign> \nTesting Testing Testing de <my:callsign> <my:callsign>
<input checked="" type="checkbox"/>	Reply	BTU	BTU	*	So BTU <his:firstname> , <his:callsign> de <my:callsign> k <erase> <stop>
<input checked="" type="checkbox"/>	Info	WX	WX	*	Weather here is <my:weather> temp is <my:temperature>
<input checked="" type="checkbox"/>	Info	Signal Info	Signal Info	*	<his:callsign> de <my:callsign> \n\nI'm sending at <my:power> \nIMD = <imd> \nSignal to noise = <s/n> \n\nBTU <his:callsign> de <my:callsign> kn
<input checked="" type="checkbox"/>	Info	Field Day Exchange	Field Day Exchange	*	<his:callsign> de <my:callsign> copy your \npse cpy 1D CO, 1D CO 1D CO QSL? KN <erase>
<input checked="" type="checkbox"/>	Closing	Closing Field Day	Closing Field Day	*	<his:callsign> de <my:callsign> Copy your \nQSL? 73 <add-log> SK <erase>

Appearance  
 Toolbar:  Buttons  Popups  
 Icons:  Send Immediately  Erase TX Window  Radio Control

Macros Pane  
 Organize by group  
 Show macro set title

First Name  
 Send his first name only (the his:name tag)

OK Cancel

WOGAS - Greg Smith 31

HRD Rotator - [Rotator]

File View Display DDE Server Tools Window Help

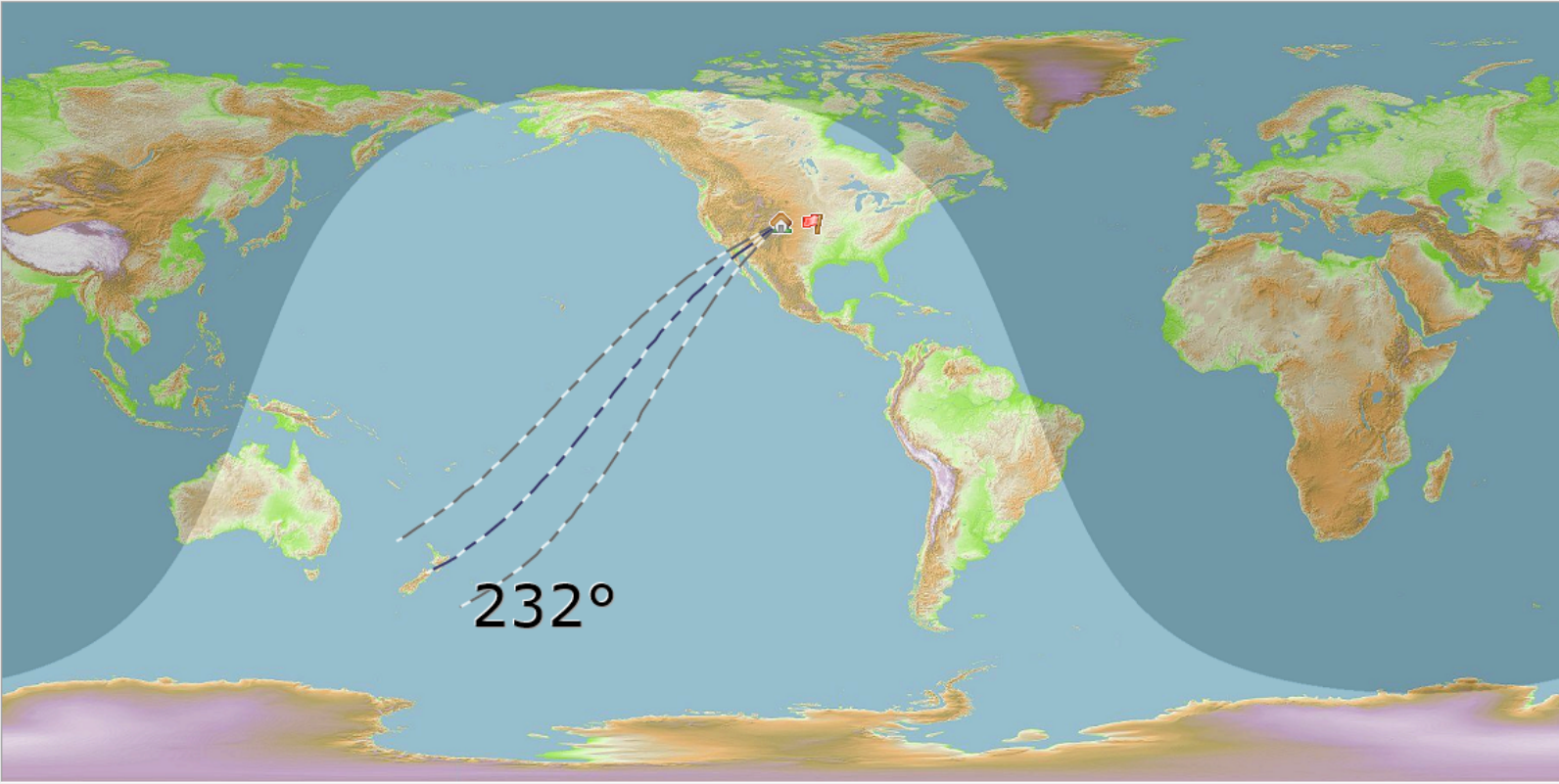
New Window Options Home Page Rig Control Mapper Digital Master Satellite Tracker Logbook

DDE: Connect DDE: Track HRD SatTrack Nova Orbitron Full Screen

Logfile Rotator

Connect Rotator: AMSAT IF-100 Port: Stop position: North (360°) Show Gauges

Callsign: K6RB Country: United States 090° Locator: Short Long Flip 180° Favorites Map Tracks Zoom



232°

Ready

DDE: No data available! CAP\_NUM SCRL

W0GAS - Greg Smith 32



HRD Satellite Tracking - [AO-8]

File Edit View Rotator Satellite Tools Window Help

Radio Pane New Satellite Next Passes Satellite Defns Announce Rig Control Mapper Digital Master Rotator Logbook Help

Radio

Connect Options

Radio

VFO-A Not Connected

VFO-B Not Connected

Logfile x Satellite Definitions x AO-8 x

Tuning Dial Favourites Rotator Satellite: AO-8 Track: 30 mins Center Zoom Show Next Passes Home Page Options

1KUNS-PF  
2015-049G  
Aalto 1  
Aalto-2  
AAU CUBESAT  
AAUSAT2  
AAUSAT4  
ALMASAT-1  
AISat 1N  
ANTELSAT  
AO-07  
AO-10  
AO-16  
AO-21  
AO-24  
AO-27  
AO-40  
AO-49  
AO-5  
AO-51  
AO-6  
AO-71  
AO-73  
**AO-8**  
AO-85  
AO-91  
AO-92  
Aoxiang-1  
ATHENOXAT-1  
BeEagleSat

AO-8 LOS: 00:09:34  
Elv: 1.6°  
Rng: 2,066.9 mi  
Alt: 656.7 mi

WOGAS - Greg Smith 33

CPU: 0% Default DDE Server CAP NUM SCRL

The satellite being plotted in this window

HRD Satellite Tracking - [Satellite Definitions]

File Edit View Rotator Satellite Tools Window Help

Radio Pane New Satellite Next Passes Satellite Defns Announce Rig Control Mapper Digital Master Rotator Logbook Help Google Earth Tilt: 0.00° Azim: +0.00°

Radio: localhost

Connect Options

FTDX-3000

VFO-A 14.070.00

VFO-B 14.062.47

RX-Mode TX-Mode

Mode: DATA-U AGC: Auto Medium

CW Keying CW Pitch:

Roofing Filter:

TX

AF gain: 0

Mic gain: 45

Squelch: 0

Logfile Satellite Definitions AO-07

Refresh Modify Delete Enable All Enable None Add Group Modify Group Delete Group Favourites Home Pages Purge Old Entries Kepler Data

All Definitions

Satellites

Sun & Moon

Data Sources

amsat:nasabare

celestrek:amateur

Custom Groups

Current Satellite Definitions - used in Tracking windows

Enable	Name	Catalog	Favourites	Home Pages	Last Update	Data Source
<input checked="" type="checkbox"/>	AAUSAT4	41460	-	-	0 00:00:00	amsat:nasabare
<input checked="" type="checkbox"/>	ALMASAT-1	38078	-	-	0 00:00:00	amsat:nasabare
<input checked="" type="checkbox"/>	AlSat 1N	41789	-	-	0 00:00:00	amsat:nasabare
<input checked="" type="checkbox"/>	ANTELSAT	40034	-	-	0 00:00:00	amsat:nasabare
<input checked="" type="checkbox"/>	AO-07	07530	6	1	0 00:00:00	amsat:nasabare
<input checked="" type="checkbox"/>	AO-10	14129	2	1	3747 13:16:09	amsat:nasabare
<input checked="" type="checkbox"/>	AO-16	20439	1	1	3747 13:16:09	amsat:nasabare
<input checked="" type="checkbox"/>	AO-21	21087	-	-	3747 13:16:08	celestrek:amateur
<input checked="" type="checkbox"/>	AO-24	22654	-	-	3747 13:16:08	celestrek:amateur
<input checked="" type="checkbox"/>	AO-27	22825	1	2	0 00:00:00	amsat:nasabare
<input checked="" type="checkbox"/>	AO-40	26609	-	-	3747 13:16:09	amsat:nasabare
<input checked="" type="checkbox"/>	AO-49	27605	-	-	3747 13:16:08	celestrek:amateur
<input checked="" type="checkbox"/>	AO-5	04321	-	-	3747 13:16:08	celestrek:amateur
<input checked="" type="checkbox"/>	AO-51	28375	8	2	3747 13:16:09	amsat:nasabare
<input checked="" type="checkbox"/>	AO-6	06236	-	-	3747 13:16:08	celestrek:amateur
<input checked="" type="checkbox"/>	AO-71	37854	-	-	0 00:00:00	amsat:nasabare
<input checked="" type="checkbox"/>	AO-73	39444	-	-	0 00:00:00	amsat:nasabare
<input checked="" type="checkbox"/>	AO-8	10703	-	-	3747 13:16:08	celestrek:amateur
<input checked="" type="checkbox"/>	AO-85	40967	-	-	0 00:00:00	amsat:nasabare
<input checked="" type="checkbox"/>	AO-91	43017	-	-	0 00:00:00	amsat:nasabare
<input checked="" type="checkbox"/>	AO-92	43137	-	-	0 00:00:00	amsat:nasabare
<input checked="" type="checkbox"/>	Aoxiang-1	42735	-	-	0 00:00:00	amsat:nasabare
<input checked="" type="checkbox"/>	ATHENOXAT-1	41168	-	-	0 00:00:00	amsat:nasabare
<input checked="" type="checkbox"/>	BeEagleSat	42736	-	-	0 00:00:00	amsat:nasabare
<input checked="" type="checkbox"/>	BEESAT	35933	-	-	0 00:00:00	celestrek:amateur
<input checked="" type="checkbox"/>	BEESAT-2	39136	-	-	0 00:00:00	amsat:nasabare
<input checked="" type="checkbox"/>	BEESAT-3	39135	-	-	0 00:00:00	amsat:nasabare
<input checked="" type="checkbox"/>	BEESAT-4	41619	-	-	0 00:00:00	celestrek:amateur
<input checked="" type="checkbox"/>	Bhutan 1	43591	-	-	0 00:00:00	amsat:nasabare
<input checked="" type="checkbox"/>	BIRD-B	42823	-	-	0 00:00:00	amsat:nasabare
<input checked="" type="checkbox"/>	BIRD-G	42821	-	-	0 00:00:00	amsat:nasabare

Ready CPU: 0%

WOGAS - Greg Smith 34

Default DDE Server CAP NUM SCRL

AO-07

Favourites | Home Pages | Data

Kepler Data

Catalog: 07530  
Line 1: 1 07530U 74089B 19017.45537863 -.00000033 00000-0 76656-4 0 9993  
Line 2: 2 07530 101.7218 346.8168 0011911 281.9459 194.0554 12.53636352 21449  
Source: <http://www.amsat.org/amsat/ftp/keps/current/nasabare.txt>  
Loaded: 2019-1-21 21:38:08 UTC

All Sources with AO-07 (07530) data

AO-07	<a href="http://www.amsat.org/amsat/ftp/keps/current/nasabare.txt">http://www.amsat.org/amsat/ftp/keps/current/nasabare.txt</a>
AO-7	<a href="http://www.celestrak.com/NORAD/elements/amateur.txt">http://www.celestrak.com/NORAD/elements/amateur.txt</a>

OK Cancel Apply

## North American QSO Party, CW: 1800Z, Jan 12 to 0559Z, Jan 13

Geographic Focus:	North America
Participation:	Worldwide
Awards:	North America
Mode:	CW
Bands:	160, 80, 40, 20, 15, 10m
Classes:	Single Op (QRP/Low) Multi-Two (Low)
Max operating hours:	Single Op: 10 hours Multi-Two: 12 hours
Max power:	LP: 100 watts QRP: 5 watts
Exchange:	NA: Name + (state/DC/province/country) non-NA: Name
Work stations:	Once per band
QSO Points:	NA station: 1 point per QSO non-NA station: 1 point per QSO with an NA station
Multipliers:	Each US state and DC (including KH6/KL7) once per band Each VE province/territory once per band Each North American country (except W/VE) once per band
Score Calculation:	Total score = total QSO points x total mults
Submit logs by:	0559Z January 18, 2019
E-mail logs to:	(none)
Upload log at:	<a href="http://www.ncjweb.com/naqplogsubmit/">http://www.ncjweb.com/naqplogsubmit/</a>
Mail logs to:	Chris Hurlbut, KL9A 1733 E. Broad Ave. Spokane, WA 99207

W0GAS.s3db

### New log for: North American QSO Parties - CW

Log Type

Start Date

Use Up/Down cursor keys to see long description above.

Contest **Associated Files**

Category

Show Setup

Show Rules

Operator

State for Log Type QSOPARTY

Band

Note - the program does not validate categories. Check the contest rules for valid categories.

Power

Mode

Overlay

Sent Exchange  Omit RST. E.g. CQWW: 05 SS: A 56 EMA

Operators

Update Ops from Log

Soapbox

OK

Help

Cancel

FTDX-3000 VFO A

7046.00 SHDX Wide CQ

RIT 0.00 XIT CW

7000

CW

7050

- SV9/LZ3FN 39° New
- 9LY1JM 82°
- W2LCW/QRP 75°
- W2LCW 75°
- RQ2Q 22°
- RA4SAL 15° New

7100

- 9M6SKT 311°
- 9W2SAF 323°

7150

- EC8ADS 68°
- YC0LOU 306°
- ON6ID 39°

7200

7250

1/11/2019 17:04:05Z North American QSO Parties - CW - W0GAS.s3db

MM-DD HH:MM	Call	Freq	Name	S...	M1	M2
Log: NAQPCW in db: H:\Documents\N1MM Logger+\Databases\W0GAS.s3db has no QSOs yet.						

7046.00 CW FTDX-3000 VFO A

File Edit View Tools Config Window Help

CW 9LY1JM Name State

160

80

40

20

15

10

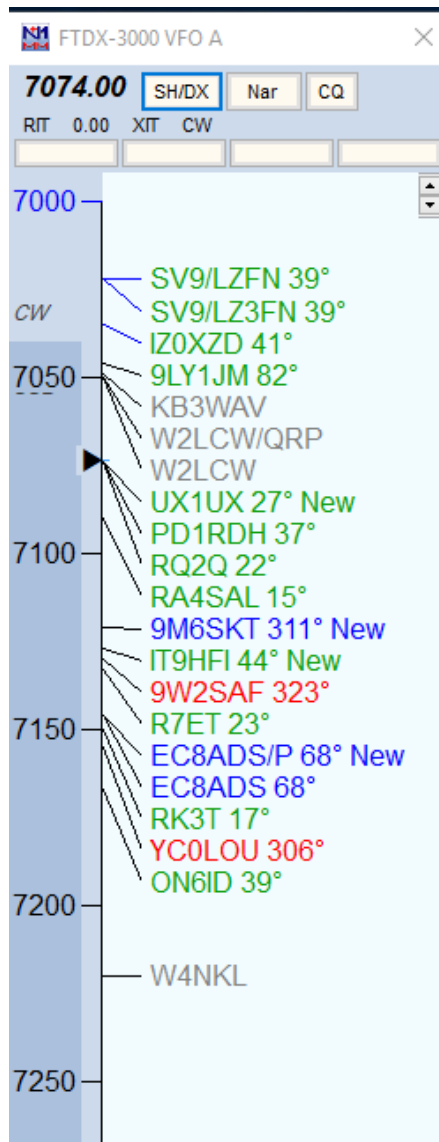
Run  S&P 12

F1 Qrl?	F2 Exch	F3 Tu	F4 W0GAS	F5 His Call	F6 Repeat		
F7 Spare	F8 Agn?	F9 Nr?	F10 Call?	F11 Spare	F12 Wipe		
Esc: Stop	Wipe	Log It	Edit	Mark	Store	Spot It	QRZ

Hdg 82° LP 263° 5939mi 9558km

Call history UserText appears here when enabled.

9L: AF/SIERRA LEONE, Zn 35 No Score 0



### N1MM Band Map Window

- SH/DX – sends request to the cluster
- Nar – adjusts the rig's filters
- CQ – QSY to last my last CQ frequency
- RIT/XIT and CW are clickable
  - The number indicates the offset
  - CW permits changing modes
- Color coding of spots:
  - Red – new multiplier
  - Spots from CW Skimmer have a #
  - Spots within prior 2 minutes are noted "new"
- The band map is zoomable
- Single click on a spot – will QSY to that spot.
- Single click on a frequency (perhaps to pick a frequency for calling CQ) will QSY to that frequency
- Clicking the spot also enters the data into the call-frame of the entry window this can be corrected if the call was wrong on the map, but it sets you up to work the station
- With Ctrl or Alt + up or down arrows you move to next frequency or next frequency that is a multiplier

7046.00 CW FTDX-3000 VFO A

File Edit View Tools Config Window Help

CW 9LY1JM Name State

160

80

40  Run  S&P 12

F1 Qrl?	F2 Exch	F3 Tu	F4 W0GAS	F5 His Call	F6 Repeat		
F7 Spare	F8 Agn?	F9 Nr?	F10 Call?	F11 Spare	F12 Wipe		
Esc: Stop	Wipe	Log It	Edit	Mark	Store	Spot It	QRZ

Hdg 82° LP 263° 5939mi 9558km

Call history UserText appears here when enabled.

9L: AF/SIERRA LEONE, Zn 35 No Score 0



# Logging

- Computerized manual logging
- eQSL.cc: <https://www.eqsl.cc/qslcard/Index.cfm>
- QRZ logbook: <https://www.qrz.com/>
- LOTW: <https://lotw.arrl.org/lotw/default>
  - Detailed Slide Show (from the ARRL website) for LoTW:  
<https://www.dropbox.com/s/gjxgtchp301ckdd/LOTW-TQSL2.pps?dl=0>
- HRD:  
[https://www.hamradiodeluxe.com/?gclid=Cj0KCQiA\\_s7fBRDrARIsAGEvF8QFymoTn5puvdl4VEMgOIWrxJ-DhRR6fZ2rPZquSavKRVPGaSumPNwaAkOwEALw\\_wcB](https://www.hamradiodeluxe.com/?gclid=Cj0KCQiA_s7fBRDrARIsAGEvF8QFymoTn5puvdl4VEMgOIWrxJ-DhRR6fZ2rPZquSavKRVPGaSumPNwaAkOwEALw_wcB)
- N1MM+: <https://n1mm.hamdocs.com/tiki-index.php>

HamLog II [www.ncrcga.org/files/ham%20log%20II.xls](http://www.ncrcga.org/files/ham%20log%20II.xls) (Newton County Radio Club)

The screenshot shows a Microsoft Excel spreadsheet with the following content:

- Row 1:** **Ham Log Instructions** (centered, orange text)
- Row 2:** (empty)
- Row 3:** This ham logging program is for the ham operator, like myself, who doesn't need all the fancy bells and whistles available
- Row 4:** in a lot of the logging programs available today. I have found that the more complex the logging programs become, and the more
- Row 5:** bases they try to cover, the more difficult and time consuming they become. Most of the logging programs I have looked at
- Row 6:** take too much time to fill out and in fact require much more information than I need or want to fill in. That's why I made my
- Row 7:** own ham log in Excel. Filling out the log in Excel is like filling out the regular paperback book logs you get at the ham store only
- Row 8:** you have all the capabilities of Excel to sort, filter and keep track of the stuff you want to keep track of.
- Row 9:** (empty)
- Row 10:** If you are a ham who participates in many contests and requires lots of information at your fingertips, then perhaps his log is not
- Row 11:** for you. But if you are like me and make a handful of contacts per week for per month, or even per year, and are interested
- Row 12:** in logging the essentials, then perhaps this one is for you.
- Row 13:** (empty)
- Row 14:** This log program was written in a template for Microsoft Excel™ 2000 and therefore re-inventing the wheel for sorting
- Row 15:** and filtering was not needed. Below you will find instruction on how to use this logging program template.
- Row 16:** (empty)
- Row 17:** There is no warranty with this log, real or implied. Not responsible for loss of information. MAKE BACKUPS!
- Row 18:** (empty)
- Row 19:** (empty)
- Row 20:** **Buttons:**

The spreadsheet interface includes the following elements:

- File Name:** ham log II.xls - Compatibility Mode - Last Saved 12/2/2017 04:02
- Author:** Gregory Smith
- Menu Bar:** File, Home, Insert, Page Layout, Formulas, Data, Review, View, Help, QuickBooks, XLQ, Tell me what you want to do
- Clipboard:** Paste, Cut, Copy, Format Painter
- Font:** Arial, 10, Bold, Italic, Underline, Text Color, Fill Color
- Alignment:** Wrap Text, Merge & Center
- Number:** Currency, Percentage, Decimals
- Styles:** Conditional Formatting, Format as Table
- Cells:** Insert, Delete, Format
- Editing:** AutoSum, Fill, Clear, Sort & Filter, Find & Select, Ideas
- Share & Comments:** Share, Comments
- Worksheet Tabs:** Station Info, Station Log, Prefixes, Formulas, Band Plan, WAS, Instructions
- Footer:** WOGAS - Greg Smith 42, 175%

File Home Insert Page Layout Formulas Data Review View Help QuickBooks XLO Tell me what you want to do

Clipboard Font Alignment Number Styles Cells Editing Ideas

B7	A	B	D	E	F	G	H	I	J	K	L	M	N	O	Q	R	T	U
----	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

1	Clear Search	Show All Entries	Do Search	Print Search	Save Log	QRZ.COM	Prefix Search	<b>CALL</b>						UPDATE-TIME/DATE					
	New Log Entry	W.A-S	New Line	Ditto	Date/Time	Band Plan							1/11/19 17:14	1/1/06 0002					

3	CALL	Date/Time	Band	Freq.	Mode	RST-S	RST-R	Rig	PWR	FIST	X	STATE	Grid	REMARKS	CALL	Date/Time	Band	Freq.
---	------	-----------	------	-------	------	-------	-------	-----	-----	------	---	-------	------	---------	------	-----------	------	-------

4															CALL	Date/Time	Band	Freq.
---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	------	-----------	------	-------

5	0									0					0.00				
---	---	--	--	--	--	--	--	--	--	---	--	--	--	--	------	--	--	--	--

6	CALL	Date/Time	Band	Freq.	Mode	RST-S	RST-R	Rig	PWR	FIST	X	STATE	Grid	REMARKS	New Line	AA6AE	1/1/07	40	7.032	CW
---	------	-----------	------	-------	------	-------	-------	-----	-----	------	---	-------	------	---------	----------	-------	--------	----	-------	----

7	START HERE															AA1UY	1/1/07	40	7.018	CW
---	------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-------	--------	----	-------	----

8																N6AD	1/1/07	40	7.018	CW
---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	------	--------	----	-------	----

9																W7JI	1/1/07	40	7.018	CW
---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	------	--------	----	-------	----

10																AC5RD	1/1/07	40	7.042	CW
----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-------	--------	----	-------	----

11																WO8J	1/1/07	80	3.532	CW
----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	------	--------	----	-------	----

12																K7UQH	1/1/07	80	3.532	CW
----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-------	--------	----	-------	----

13																W7PPS	1/1/07	80	3.547	CW
----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-------	--------	----	-------	----

14																W6BNB	1/1/07	40	7.045	CW
----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-------	--------	----	-------	----

15																WB7O	1/1/07	40	7.055	CW
----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	------	--------	----	-------	----

16																K7XV	1/1/07	40	7.045	CW
----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	------	--------	----	-------	----

17																KD7JG	1/1/07	40	7.050	CW
----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-------	--------	----	-------	----

18																N7RVD	1/1/07	40	7.045	CW
----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-------	--------	----	-------	----

19																N6KIX	1/1/07	40	7.035	CW
----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-------	--------	----	-------	----

20																K1YA	1/1/07	40	7.026	CW
----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	------	--------	----	-------	----

21																WA6BXV	1/1/07	40	7.027	CW
----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--------	--------	----	-------	----

22																				
----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

23																				
----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

### System Stats

Users online: 196  
Total Unique Users: 291,684  
Total eQSLs: 631,690,541  
eAwards Issued: 150,457  
Load Factor: 0%  
Page Wait: 0.0 secs

### Search

Callsign:

### Help

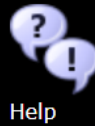
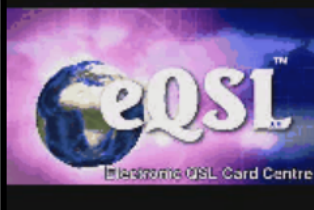
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Help



Community



Authenticity  
Guaranteed



InBox



Archive



OutBox



Manual Log Entry




WOGAS - Greg Smith 44



**WOGAS**

**Home**  
01 Nov 2016 00:00Z start  
31 Dec 2035 00:00Z end

 Greg Smith  
Larkspur, CO USA  
County: Douglas  
Grid Square: DM79mf  
CQ Zone: 4



My Profile



eQSL Design



My Accounts



My Awards

# WØGAS

Greg Smith  
4955 Chippewa Dr  
Larkspur, CO 80118  
USA

Loc:DM79mf ITU:7 CQ:4 Douglas County  
FT-DX3000  
Multiband dipole in the trees

©2017 WØGAS

To: AB1CDE This confirms our 2-way SSB QSO



Date: January 1, 2010 Time: 0000 UTC

Band: 20m UR Sigs: 59+20
















Gallia est omnis divisa in partes tres, quarum unam incolunt

Belgae...

Filters	
Sort order	Callsign, Date/Time, then Band ▼
Limit to 1 Callsign	Callsign <input type="text"/> <i>Leave blank to retrieve ALL callsigns</i>
QSO Date range	11/01/2018 - 11/30/2018 (MM/DD/YYYY)
Only Band	ALL ▼
Only Mode	ALL ▼
Confirmed?	<input type="checkbox"/> Only Unconfirmed
Apply Filters	

-  [How to REJECT an eQSL](#)
-  [How to CONFIRM an eQSL manually](#)

[Problem with a log entry? It won't move to the Archive?](#)  
[How to move an entry to the Archive without displaying it](#)

New eQSLs								
LIMITS==>		01Nov18 - 30Nov18						
Action	Callsign	Date/Time	Band	Mode (SubMode)	Country	AG	Signal Report and Comments	Actions
	<a href="#">EA3DU</a>	24Nov2018 05:58	80M	CW	SPAIN	Y	599	<input type="checkbox"/> Archive  
	<a href="#">F6KOP</a>	24Nov2018 14:08	20M	CW	FRANCE	Y	599	<input type="checkbox"/> Archive  
	<a href="#">HA90AM</a>	24Nov2018 14:33	20M	CW	HUNGARY		599	<input type="checkbox"/> Archive  
	<a href="#">IK0YVV</a>	24Nov2018 13:54	20M	CW	ITALY	Y	599	<input type="checkbox"/> Archive  
	<a href="#">IO5O</a>	24Nov2018 13:44	20M	CW	ITALY	Y	599	<input type="checkbox"/> Archive  

THE ARRL



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The Radio  
PRINCIPAL SPONSOR  
of the LoTW Website

Home

Your QSOs

Awards

Find Call

## Welcome to Your Logbook of the World User Account Home Page

### About Logbook of the World

- [Introduction](#)
- [Mission and Objectives](#)
- [Getting Started](#)
- [Submitting QSOs](#)
- [Viewing Confirmations](#)
- [Obtaining Award Credit](#)
- [Renewing Callsign Certificates](#)
- [Frequently Asked Questions \(FAQ\)](#)
- [Troubleshooting](#)
- [Getting Help](#)

### News and Notes

#### Dec 11, 2018: New TQSL Version (v2.4.3) Release --

A new version of the Trusted QSL (TQSL) application — version 2.4.3 — has been [released](#).

### TQSL Status

Current Trusted QSL software: *TQSL v2.4.3*  
([Download](#))

### Logbook of the World Status

**1,007,890,707** QSO records have been entered into the system.

**190,123,545** QSL records have resulted.

**113,629** Users are registered in the system

**166,296** Certificates are active

**19,078,589** User files have been processed

### Latest Triple Play WAS Award Winners

WOGAS - Greg Smith 47

RAEM.SRR.RU x Greg's Home Page (1K+) x (\*) Twitter x Your Logbook QSOs x +

The American Radio Relay League, Incorporated [US] | https://lotw.arrl.org/lotwuser/qso?qso\_page=38&awg\_id=&ac\_acct=

Apps Colorado Bank, Com Bookmarks My Ooma - Dashboa Office 365 Speedtest.net by Ool QuickBooks Online Banking | Log Skype Best Hardware Online Other bookmarks

[New Query](#)

**25 Records Shown (951-975)**  
Sorted by QSO Date (0.017715 seconds elapsed)

<a href="#">Prev</a>	Call sign	Worked	Date/Time	Band	Mode	Freq	QSL	<a href="#">Next</a>
<a href="#">Details</a>	W0GAS	SO4M	2018-11-24 13:47:33	20M	CW	14.06283	<a href="#">POLAND</a>	
<a href="#">Details</a>	W0GAS	S53EO	2018-11-24 13:51:42	20M	CW	14.06799		
<a href="#">Details</a>	W0GAS	IK0YVV	2018-11-24 13:54:41	20M	CW	14.06926	<a href="#">ITALY</a>	
<a href="#">Details</a>	W0GAS	LX7I	2018-11-24 13:57:02	20M	CW	14.07302	<a href="#">LUXEMBOURG</a>	
<a href="#">Details</a>	W0GAS	W2ID	2018-11-24 13:58:49	20M	CW	14.07360		
<a href="#">Details</a>	W0GAS	F6KOP	2018-11-24 14:08:35	20M	CW	14.07980	<a href="#">FRANCE</a>	
<a href="#">Details</a>	W0GAS	HA3LN	2018-11-24 14:10:58	20M	CW	14.08295	<a href="#">HUNGARY</a>	
<a href="#">Details</a>	W0GAS	PA1AW	2018-11-24 14:18:59	20M	CW	14.08850	<a href="#">NETHERLANDS</a>	
<a href="#">Details</a>	W0GAS	DK5QN	2018-11-24 14:20:45	20M	CW	14.09159		
<a href="#">Details</a>	W0GAS	DF5UL	2018-11-24 14:24:22	20M	CW	14.09480		
<a href="#">Details</a>	W0GAS	YU5R	2018-11-24 14:25:47	20M	CW	14.09680		
<a href="#">Details</a>	W0GAS	IR8P	2018-11-24 14:27:26	20M	CW	14.09874		
<a href="#">Details</a>	W0GAS	HA90AM	2018-11-24 14:33:33	20M	CW	14.11022	<a href="#">HUNGARY</a>	
<a href="#">Details</a>	W0GAS	OH0T	2018-11-24 14:37:37	20M	CW	14.11753		
<a href="#">Details</a>	W0GAS	9M6NA	2018-11-24 14:43:46	40M	CW	7.04954	<a href="#">EAST MALAYSIA</a>	
<a href="#">Details</a>	W0GAS	JH4UYB	2018-11-24 14:46:57	40M	CW	7.05745	<a href="#">JAPAN</a>	
<a href="#">Details</a>	W0GAS	JA7ZFN	2018-11-24 14:49:18	40M	CW	7.06660		
<a href="#">Details</a>	W0GAS	EF8R	2018-11-25 03:38:25	40M	CW	7.04417	<a href="#">CANARY ISLANDS</a>	
<a href="#">Details</a>	W0GAS	TI7W	2018-11-25 04:00:04	40M	CW	7.00000		
<a href="#">Details</a>	W0GAS	TI7W	2018-11-25 04:04:07	40M	CW	7.03007	<a href="#">COSTA RICA</a>	
<a href="#">Details</a>	W0GAS	P49Y	2018-11-25 04:09:16	40M	CW	7.03236	<a href="#">ARUBA</a>	
<a href="#">Details</a>	W0GAS	V47T	2018-11-25 04:18:54	40M	CW	7.05654	<a href="#">SAINT KITTS &amp; NEVIS</a>	
<a href="#">Details</a>	W0GAS	VE2FK	2018-11-25 18:23:53	20M	CW	14.04106		
<a href="#">Details</a>	W0GAS	N4JBB	2018-11-26 22:21:00	40M	FT8	7.07492	<a href="#">UNITED STATES OF AMERICA</a>	
<a href="#">Details</a>	W0GAS	NF2F	2018-11-26 23:42:00	40M	FT8	7.07552	<a href="#">UNITED STATES OF AMERICA</a>	

[Prev](#) [Next](#)

Most recent QSO record received 2018-12-23 00:11:06Z

AzimuthalMap.pdf ^ Show all x



RAEM.SRR.RU x Greg's Home Page (1K+) x (\*) Twitter x Your Logbook QSOs x QSO Detail x +

The American Radio Relay League, Incorporated [US] | https://lotw.arrl.org/lotwuser/qsodetail?qso=989834619

Search Help:

Home Your QSOs Awards Find Call Upload File Your Account Help

### QSO Detail

**Station**

**Call Sign** WOGAS  
**DXCC** UNITED STATES OF AMERICA (291)  
**CQ Zone** 04 (Inferred; user did not specify zone)  
**ITU Zone** 07 (Inferred; user did not specify zone)  
**Grid** DM79MF  
**State** Colorado (CO)  
**County** Douglas

**Worked Station**

**Worked** SO4M  
**DXCC** POLAND (269)  
**CQ Zone** 15  
**ITU Zone** 28  
**Grid** KO02FS  
**Date/Time** 2018-11-24 13:47:33  
**Mode** CW (CW)  
**Band** 20M  
**Frequency** 14.06283  
**QSL** [2018-11-29 19:26:03](#)

---

**Record ID** 989834619 **Received:** 2018-11-26 02:51:14

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

AzimuthalMap.pdf  x

WOGAS - Greg Smith 49

TQSL

File Station Location Callsign Certificate Help

Log Operations Station Locations Callsign Certificates

-  Sign a log and upload it automatically to LoTW
-  Sign a log and save it for uploading later
-  Create an ADIF file for signing and uploading
-  Log in to the Logbook of the World Site

Status Log

WOGAS - Greg Smith 50

HRD Logbook - [My Logbook]

File Edit View Calendar Countries Logbook Tools Window Help

Open Layout A Layout B Satellite Tracking Rig Control Digital Master Rotator Tune-Main Tune-Sub Add Manager About Home Configure Full Screen **W0GAS** Home - DM7mf **14.205.000** **14.062.470**

Lookup My Logbook

QRZ.com Logbook X Reset

Callsign: HI8AT

**Callsign**

**Licensee**

Julio Cesar Jose  
Santo Domingo, D. N.  
HI8AT@HOTMAIL.COM  
NA-096

**Country**

Dominican Rep.  
DXCC=72, Cont=NA  
18.92°, -70.66°

**20m modes**

--  
FT8

**Bands**

--  
40m,[20m]

**Modes**

--  
FT8,[LSB]

**IOTA**

NA-122

QSO date	Time on	Call	Mode	Sent	Rcvd	Band	Freq	Name	Country	State	LOTW sent	LOTW received
11/22/2018	00:33:00	XE2BCS	FT8	+01	-05	40m	7.075.589	FERNANDO TALAMANTE...	Mexico	BS	No	No
11/22/2018	00:27:45	K17FBQ	FT8	+14	-03	40m	7.074.847	Timothy J Dezellem	United States	WA	No	No
11/15/2018	03:32:36	KG5U	CW	599	599	40m	7.034.110	DALE	United States		Yes	No
11/15/2018	03:23:02	KM4CH	CW	599	599	40m	7.038.590	JOHN	United States		Yes	No
11/15/2018	03:05:17	K6LL	CW	599	599	40m	7.031.270	DAVE	United States		Yes	No
11/15/2018	03:02:17	K3WW	CW	599	599	40m	7.029.900	CHAS	United States		Yes	Verified (Match)
11/14/2018	13:59:31	AC4CA	CW	599	599	40m	7.036.030	JOHN	United States		Yes	No
11/14/2018	13:39:18	K6RB	CW	599	599	40m	7.030.080	ROB	United States		Yes	No

DX Cluster: Spots: W0GAS on N5IN (CC Cluster)

Close Show HF WSI Filter None Alarms Options QRZ.com Spot 144 spots 0 updating

C	B	M	L	Time	Band	Mode	DX Call	Freq	DX Country	Comment	SP State	Spotter
▼	×	▼	✓	1851Z	160m	LSB	RU3EJ	1.840.0	UA		--	JA7SWL
✓	×	×	✓	1851Z	160m	CW	D41CV	1.836.0	D4		--	R1DX
✓	✓	✓	✓	1850Z	20m	USB	HI8AT	14.205.0	HI	tnx	ON	VE3TLO
▼	×	×	✓	1851Z	80m	CW	RK3QZ	3.520.0	UA		--	R9XM
✓	×	×	✓	1850Z	80m	CW	SP307PAF	3.522.7	SP	tnx QSO 73!	--	R6NW
✓	×	×	✓	1850Z	80m	LSB	HG90HL	3.609.0	HA	not HA90HL	--	ON6UU
✓	×	×	✓	1850Z	80m	CW	SP307PAF	3.522.7	SP		--	RJ7M
×	×	×	×	1850Z	20m	CW	5R8UM	14.003.9	5R	Tu Alex CQ'n 1 up	NL	VO2NS
✓	×	×	✓	1850Z	20m	CW	CT9ABN	14.021.0	CT3		PA	N3HCN
✓	✓	✓	✓	1850Z	15m	DIGI	PY2PRB	21.076.2	PY	tnx drOM FT8 GLDX 73s	--	PY4EP
✓	×	✓	✓	1850Z	80m	LSB	HG90HL	3.608.99	HA	!!!!	--	OK2PAY W0GAS - Greg Smith 51
✓	×	×	✓	1850Z	20m	CW	CT9ABN	14.021.0	CT3		WA	K7JF
×	×	×	×	1850Z	80m	CW	EP6RRC	3.512.0	EP	TU57 AS 189 CQCQDX UP1	--	IZ8GCP

Filter 20m (M)

14000 5R8UM  
HC5M  
6D50I  
14050 A35EU  
S 5Z4LS  
6Y3T  
14100 CT9ABN  
V26K  
VP2EA  
14150 VP2EAB  
KD8WBZ  
PJ4/KU8E  
14200 ZS10PB  
M PZ5T  
HI8AT  
14250 ON6OO  
4U1WB  
K6ARK  
14300  
14350

30 Day Solar Data Solar Cycle Progression DX Cluster: Spots: W0GAS on N5IN (CC Cluster)

Ready NUM

**Add: My Logbook**

File Edit Options Tracking Show:Fields Show:Tabs

Date: 11/22/2018 Freq (MHz): 14.170.000

(F2) Start: 18:57:53 Band: 20m  track

(F3) End: 18:57:53 Mode: USB  track

(F5) Call: **ZS1OPB** Find Lookup

RST Sent: 59 RST Rcvd: 59  LoTW

Name: Robert Lock Locator: **JF96gj**

Comment: State: Western Cape

Country: **Republic of South Africa** QTH: Cape Fams

Rotator: -31.5111 19.7111 101°/281°, 9331mi WPX: ZS1  Contact  SWL report

Logbook Worked Country Contact Location IOTA Ant/Sat Award Contest

All QSOs Partial Exact 25 100 Width Layout Copy Refresh

Load Delete View End Now

QSO date	Time on	Call	Mode	Sent	Rcvd	Band	Name	Country
----------	---------	------	------	------	------	------	------	---------

Add (F7) Cancel Reset (F4) Spot

**Add: My Logbook**

File Edit Options Tracking Show:Fields Show:Tabs

Date: 11/22/2018 Freq (MHz): 14.170.000  
 (F2) Start: 18:57:53 Band: 20m  track  
 (F3) End: 18:57:53 Mode: USB  track  
 (F5) Call: ZS1OPB Find Lookup

RST Sent: 59  59  LoTW  
 RST Rcvd: 59  59 Locator: JF96gj  
 Name: Robert Lock State: Western Cape  
 Comment:  QTH: Cape Fams  
 WPX: ZS1  
 Country: Republic of South Africa  Contact  SWL report  
 Rotator: -33.603129 18.518378 101°/281°, 9331mi  Rotator

Logbook Worked Country Contact Location IOTA Ant/Sat Award Contest

Automatic Refresh Band Mode Band+Mode

Field	Value	-	80m	20m	15m
Callsign	ZS1OPB		X	X	X
Country	Republic of South Africa		X	X	X
Continent	AF		Y	O	✓
CQ Zone			X	X	X
IOTA			X	X	X
Locator	JF96		X	X	X
Locator	JF96GJ		X	X	X

Add (F7) Cancel Reset (F4) Spot

**Add: My Logbook**

File Edit Options Tracking Show:Fields Show:Tabs

Date: 11/22/2018 Freq (MHz): 14.170.000  
 (F2) Start: 18:57:53 Band: 20m  track  
 (F3) End: 18:57:53 Mode: USB  track  
 (F5) Call: ZS1OPB Find Lookup

RST Sent: 59  59  LoTW  
 RST Rcvd: 59  59 Locator: JF96gj  
 Name: Robert Lock State: Western Cape  
 Comment:  QTH: Cape Fams  
 WPX: ZS1  
 Country: Republic of South Africa  Contact  SWL report  
 Rotator: -33.603129 18.518378 101°/281°, 9331mi  Rotator

Logbook Worked Country Contact Location IOTA Ant/Sat Award Contest

Age:  SIG:   
 Email:  SIG info:   
 URL:  10-10:   
 Equipment:   
 Biography:

Add (F7) Cancel Reset (F4) Spot

**Add: My Logbook**

File Edit Options Tracking Show:Fields Show:Tabs

Date: 11/22/2018 Freq (MHz): 14.170.000

(F2) Start: 18:57:53 Band: 20m  track

(F3) End: 18:57:53 Mode: USB  track

(F5) Call: ZS1OPB Find Lookup

RST Snt: 59 RST Rcvd: 59

Name: Robert Lock Locator: JF96gj

Comment: State: Western Cape

Country: Republic of South Africa QTH: Cape Fams

Rotator: -33.603129 18.518378 101°/281°, 9331mi WPX: ZS1

Contact  SWL report

Logbook Worked Country Contact Location IOTA Ant/Sat Award Contest

State/province: Western Cape CQ zone: Distance computed using the 'My Station' locator

QTH: Cape Fams ITU zone:

County: Continent: AF

ARRL sect: Distance: 9331.003 Miles Recalc

Address: Robert Lock Benevento Fam, Honeyvale R Cape Fams, Western Cape Western Cape South Africa Lat: -33.603129 Lon: 18.518378

Add (F7) Cancel Reset (F4) Spot

Press Look-up for details related to the call sign

Automatically fills in frequency, time, call sign (if known), date and mode, and prompts for RST

Click to spot

Labels

Print Layout Help

Band / COL\_BAND  
Rig / COL\_RIG  
RX Watts / COL\_RX\_PWR  
TX Watts / COL\_TX\_PWR  
Antenna / COL\_ANT\_PATH  
Name / COL\_NAME  
Country / COL\_COUNTRY  
RST In / COL\_RST\_RCVD  
Comment / COL\_COMMENT  
QSL Via / COL\_QSL\_VIA

>

<

Reset

QSO / COL\_CALL  
Date / COL\_QSO\_DATE  
UTC / COL\_TIME\_ON  
MHz / COL\_FREQ  
RST / COL\_RST\_SENT  
Mode / COL\_MODE

Note: Not all items may fit on a QSL Label.  
It is recommended that only the standard QSO, Date, UTC, MHz, RST and Mode be selected.

Label Type

QSL Traditional  
 QSL Modern  
 Address  
 Skip Blank  
 U.S. Zip Barcode

Print Range

Selected  
 All  
 Awards

Arial

XE2BCS, FERNANDO TALAMANTES CASTILLO  
ITSMO DE TEHUANTEPEC #297  
COL. SAN FERNANDO 2 LA PAZ B.C.S.  
BS 23080  
Mexico

XE2BCS, FERNANDO TALAMANTES CAST  
ITSMO DE TEHUANTEPEC #297  
COL. SAN FERNANDO 2 LA PAZ B.C.S.  
BS 23080  
Mexico

Selected Items: 1 item 4.5 in x 0.9 in

Print Close

Labels

Print Layout Help

Band / COL\_BAND  
Rig / COL\_RIG  
RX Watts / COL\_RX\_PWR  
TX Watts / COL\_TX\_PWR  
Antenna / COL\_ANT\_PATH  
Name / COL\_NAME  
Country / COL\_COUNTRY  
RST In / COL\_RST\_RCVD  
Comment / COL\_COMMENT  
QSL Via / COL\_QSL\_VIA

>

<

Reset

QSO / COL\_CALL  
Date / COL\_QSO\_DATE  
UTC / COL\_TIME\_ON  
MHz / COL\_FREQ  
RST / COL\_RST\_SENT  
Mode / COL\_MODE

Note: Not all items may fit on a QSL Label.  
It is recommended that only the standard QSO, Date, UTC, MHz, RST and Mode be selected.

Label Type

QSL Traditional  
 QSL Modern  
 Address

Skip Blank  
 U.S. Zip Barcode

Print Range

Selected  
 All  
 Awards

Arial 8

**To Radio: XE2BCS**  
WØGAS confirms the following QSO(s):

Date	UTC	MHz	RST	Mode
11-22-2018	00:33	7.076	+01	FT8

Selected Items: 1 item 4.5 in x 0.9 in

Print Close



**Awards Summary Report  
Greg, WOGAS**

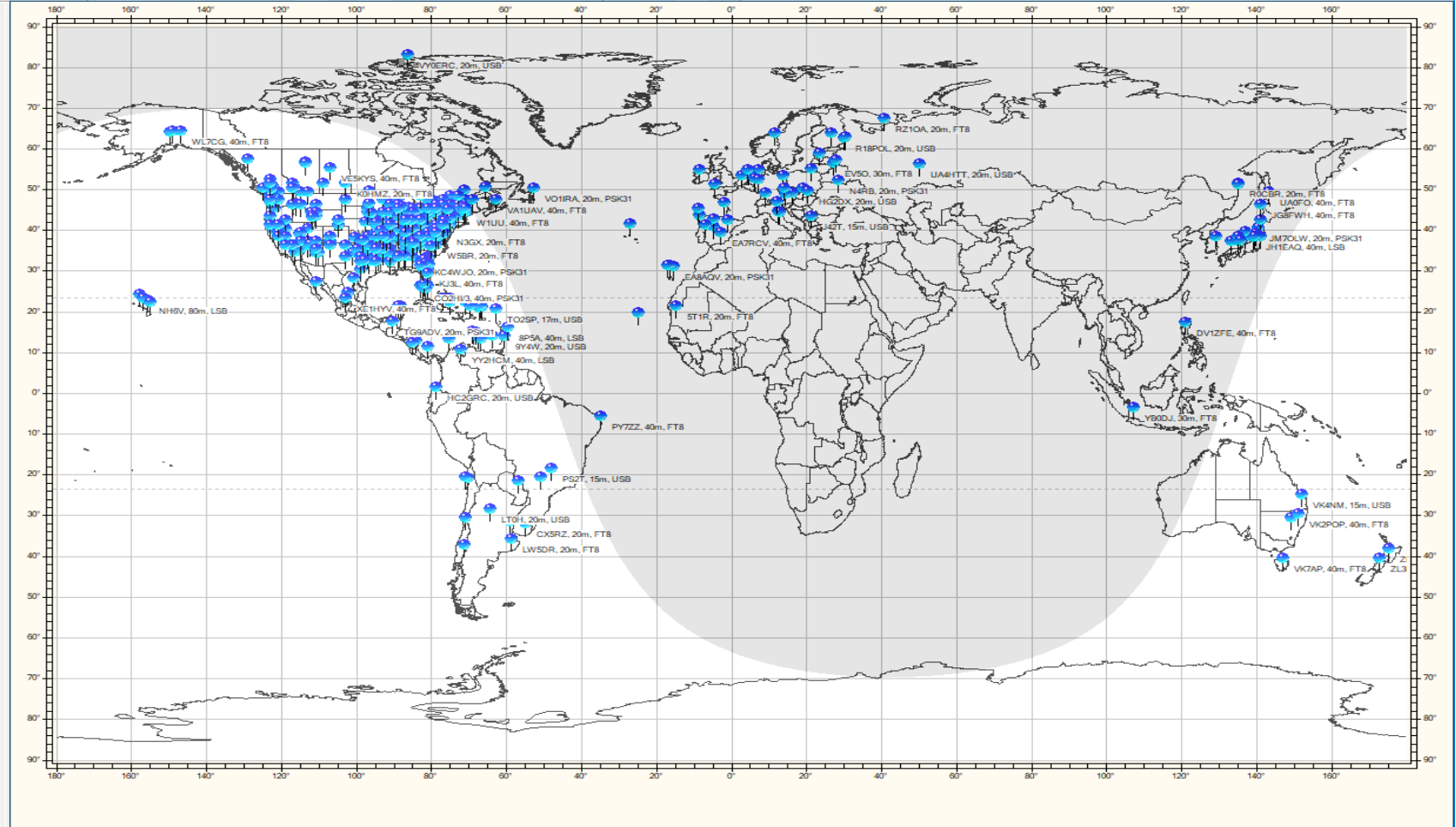
	Worked	Confirmed	Need QSL	Entities Needed	Not Submitted	Submitted	Granted
Basic	50	50	0	0	50	0	0
160m	1	1	0	49	1	0	0
30m	10	8	2	40	8	0	0
40m	48	48	0	2	48	0	0
30m	22	21	1	28	21	0	0
20m	41	36	5	9	36	0	0
17m	5	4	1	45	4	0	0
15m	3	3	0	47	3	0	0
12m	0	0	0	50	0	0	0
10m	1	1	0	49	1	0	0
6m	0	0	0	50	0	0	0
CW	0	0	0	50	0	0	0
Phone	26	17	9	24	17	0	0
SSTV	0	0	0	50	0	0	0
Digital	50	50	0	0	50	0	0
Digital-JT65	4	4	0	46	4	0	0
Digital-MFSK16	0	0	0	50	0	0	0
Digital-PSK31	23	15	8	27	15	0	0
RTTY	0	0	0	50	0	0	0
160m Phone	0	0	0	50	0	0	0
160m CW	0	0	0	50	0	0	0
160m MFSK16	0	0	0	50	0	0	0
160m RTTY	0	0	0	50	0	0	0
160m PSK31	0	0	0	50	0	0	0
80m Phone	2	2	0	48	2	0	0
80m CW	0	0	0	50	0	0	0
80m MFSK16	0	0	0	50	0	0	0
80m RTTY	0	0	0	50	0	0	0
80m PSK31	2	1	1	48	1	0	0
40m Phone	13	7	6	37	7	0	0
40m CW	0	0	0	50	0	0	0
40m MFSK16	0	0	0	50	0	0	0
40m RTTY	0	0	0	50	0	0	0
40m PSK31	8	5	3	42	5	0	0
30m CW	0	0	0	50	0	0	0
30m MFSK16	0	0	0	50	0	0	0
30m RTTY	0	0	0	50	0	0	0
30m PSK31	0	0	0	50	0	0	0
20m Phone	17	7	10	33	7	0	0
20m CW	0	0	0	50	0	0	0
20m MFSK16	0	0	0	50	0	0	0
20m RTTY	0	0	0	50	0	0	0
20m PSK31	18	11	7	32	11	0	0
17m Phone	2	1	1	48	1	0	0
17m CW	0	0	0	50	0	0	0
17m MFSK16	0	0	0	50	0	0	0
17m RTTY	0	0	0	50	0	0	0
17m PSK31	0	0	0	50	0	0	0
15m Phone	2	2	0	48	2	0	0
15m CW	0	0	0	50	0	0	0
15m MFSK16	0	0	0	50	0	0	0
15m RTTY	0	0	0	50	0	0	0
15m PSK31	0	0	0	50	0	0	0
12m Phone	0	0	0	50	0	0	0
12m CW	0	0	0	50	0	0	0
12m MFSK16	0	0	0	50	0	0	0
12m RTTY	0	0	0	50	0	0	0
12m PSK31	0	0	0	50	0	0	0
10m Phone	1	1	0	49	1	0	0
10m CW	0	0	0	50	0	0	0
10m MFSK16	0	0	0	50	0	0	0
10m RTTY	0	0	0	50	0	0	0
10m PSK31	0	0	0	50	0	0	0
6m Phone	0	0	0	50	0	0	0
6m CW	0	0	0	50	0	0	0
6m MFSK16	0	0	0	50	0	0	0
6m RTTY	0	0	0	50	0	0	0
6m PSK31	0	0	0	50	0	0	0

**Station Lists**

- Logbook Query
- Save Current
- Add Station
- Open File
- Edit List
- Erase

**Maps**

Station Lists



LOTW

### Upload 2 QSO's to LOTW

LOTW URLs

Login:

Upload:

Username:

Password:

TQSL options

TQSL executable:

Private password:

Station location:

Files

ADIF:

TQ8:

LOTW X

**Download LOTW QSOs**

LOTW URLs

Login:

Download:

Username:

Password:  << Defaults

Files

ADIF:

Last Dnload:

Download From:

November 2018						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	1
2	3	4	5	6	7	8

Choose the date from which you want to update your LOTW.

LOTW Import

ata\Roaming\HRDLLC\HRD Logbook\LOTWDownload 2018-11-22 122122.ADI


Lines: 259  
 Records: 11  
 Matches: 11  
 Error: 0  
 Warning: 0

Ready

Save To Database Copy Analysis View ADIF Save ADIF Finish

Class	Status
File	C:\Users\Greg A. Smith\AppData\Roaming\HRDLLC\HRD Logbook\LOTWDown
File	Extracting ADIF data...
File	File size 259 lines
File	Contains 11 records
File	ADIF version:
File	Encoding:
File	Program ID: , version
LOTW	11 entries
Logbook	912 entries
Matches	11 of 11 LOTW entries matched
Database	Opening database .: HRD Logbook - Access
Database	Connection .....: DSN=MS Access Database;DBQ=C:\Users\Greg A. Smith\AppData
Update	Open status 1
Update	11 records updated
Update	Finished

# N1MM - Logging

 1/11/2019 17:11:17Z CQ WorldWide CW - W0GAS.s3db

TS	▲ Call	Freq	Snt	Rcv	M1	ZN	M2	Pfx	Pts
2018-11-24 0...	S57AL	3556.00	599	599		15	✓	S5	3
2018-11-24 0...	CN3A	3562.97	599	599	✓	33	✓	CN	3
2018-11-24 0...	ZF1A	3563.74	599	599	✓	08	✓	ZF	2
2018-11-24 0...	CF3A	3561.33	599	599		04		VE	2
2018-11-24 1...	CF3A	14016.15	599	599		04	✓	VE	2
2018-11-24 1...	EA1DAV	14043.60	599	599	✓	14	✓	EA	3
2018-11-24 1...	I050	14062.02	599	599	✓	15	✓	I	3
2018-11-24 1...	S04M	14062.83	599	599		15	✓	SP	3
2018-11-24 1...	S53E0	14067.99	599	599		15	✓	S5	3
2018-11-24 1...	IK0YVV	14069.26	599	599		15		I	3
2018-11-24 1...	LX7I	14073.02	599	599		14	✓	LX	3
2018-11-24 1...	W2ID	14073.60	599	599	✓	05		K	0
2018-11-24 1...	F6KOP	14079.80	599	599		14	✓	F	3
2018-11-24 1...	HA3LN	14082.95	599	599		15	✓	HA	3
2018-11-24 1...	PA1AW	14088.50	599	599		14	✓	PA	3
2018-11-24 1...	DK5QN	14091.59	599	599		14	✓	DL	3
2018-11-24 1...	DF5UL	14094.80	599	599		14		DL	3
2018-11-24 1...	HA3LN	14082.95	599	599		15	✓	HA	3

- M1 = Zone multiplier
- M2 = Country multiplier

# DX in General and DX Clusters

- DX Summit: <http://www.dxsummit.fi/#/>
- **The DXSpider User Manual v1.51:**  
[http://www.dxcluster.org/main/usermanual\\_en.html](http://www.dxcluster.org/main/usermanual_en.html)
- DX World: <https://dx-world.net/>
- DX University:  
[http://www.dxuniversity.com/showpage.php?id=25&title=Best Practices for Courteous and Efficient DXing](http://www.dxuniversity.com/showpage.php?id=25&title=Best_Practices_for_Courteous_and_Efficient_DXing)
- International DX Convention: <http://www.dxconvention.com/>

• Contest Calendar:

<https://www.contestcalendar.com/weeklycont.php>



## 8-Day Contest Calendar January 10 - 17, 2019

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 [12-Month](#) | 
 [Perpetual](#) | 
 [State QSO Parties](#) | 
 [CW](#) | 
 [QRP](#) | 
 [Log Due Dates](#) | 
 [Historical](#) | 
 [Alphabetical](#) | 
 [Customize](#)

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January 2 - 9, 2019

January 10 - 17, 2019

January 18 - 25, 2019



	Jan 10	Jan 11	Jan 12	Jan 13	Jan 14	Jan 15	Jan 16	Jan 17
IQRP Quarterly Marathon	█							
CWops Mini-CWT Test	█							
NCCC RTTY Sprint		█						
QRP Fox Hunt		█						
NCCC Sprint Ladder		█						
YB DX Contest			█					
Old New Year Contest			█					
SKCC Weekend Sprintathon			█					
UBA PSK63 Prefix Contest			█					
North American QSO Party, CW			█	█				
NRAU-Baltic Contest, SSB				█				
NRAU-Baltic Contest, CW				█				
DARC 10-Meter Contest				█				



# VHF/UHF

- RT Systems
- OpenSpot

	Receive Frequency	Transmit Frequency	Offset Frequency	Offset Direction	Operating Mode	Name	Show Name	Tone Mode	CTCSS	Rx CTCSS	DCS	Rx DCS	Step	Clock Shift	Tx Power	Tx Narrow	Skip	Skip HM 2	Skip HM 3	Skip HM 4
1	145.11500	144.51500	600 kHz	Minus	FM	WOUPS	<input type="checkbox"/>	Tone	100.0 Hz	100.0 Hz	023	023	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	Off	Off	Off	Off
2	145.13000	144.53000	600 kHz	Minus	FM	CC COS	<input type="checkbox"/>	Tone	100.0 Hz	100.0 Hz	023	023	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	Off	Off	Off	Off
3	145.14500	144.54500	600 kHz	Minus	FM	WOCRA	<input type="checkbox"/>	Tone	100.0 Hz	100.0 Hz	023	023	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	Off	Off	Off	Off
4	145.16000	144.56000	600 kHz	Minus	FM	WOCRA	<input type="checkbox"/>	Tone	100.0 Hz	100.0 Hz	023	023	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	Off	Off	Off	Off
5	145.19000	144.59000	600 kHz	Minus	FM	NOOBA	<input type="checkbox"/>	Tone	100.0 Hz	100.0 Hz	023	023	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	Off	Off	Off	Off
6	145.19000	144.59000	600 kHz	Minus	FM	NOXLF	<input type="checkbox"/>	Tone	131.8 Hz	131.8 Hz	023	023	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	Off	Off	Off	Off
7	145.26500	144.66500	600 kHz	Minus	FM	PPFMV2	<input type="checkbox"/>	Tone	100.0 Hz	100.0 Hz	023	023	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	Off	Off	Off	Off
8	145.29500	144.69500	600 kHz	Minus	FM	KCOCVU	<input type="checkbox"/>	Tone	100.0 Hz	100.0 Hz	023	023	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	Off	Off	Off	Off
9	145.31000	144.71000	600 kHz	Minus	FM	CC THR	<input type="checkbox"/>	Tone	100.0 Hz	100.0 Hz	023	023	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	Off	Off	Off	Off
10	145.35500	144.75500	600 kHz	Minus	FM	CC GJ	<input type="checkbox"/>	Tone	100.0 Hz	100.0 Hz	023	023	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	Off	Off	Off	Off
11	145.40000	144.80000	600 kHz	Minus	FM	CC AKR	<input type="checkbox"/>	Tone	100.0 Hz	100.0 Hz	023	023	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	Off	Off	Off	Off
12	145.44500	144.84500	600 kHz	Minus	FM	CC LV	<input type="checkbox"/>	Tone	100.0 Hz	100.0 Hz	023	023	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	Off	Off	Off	Off
13	145.46000	144.86000	600 kHz	Minus	FM	WOCRA	<input type="checkbox"/>	Tone	100.0 Hz	100.0 Hz	023	023	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	Off	Off	Off	Off
14	145.49000	144.89000	600 kHz	Minus	FM	DRC 1	<input type="checkbox"/>	Tone	100.0 Hz	100.0 Hz	023	023	25 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	Off	Off	Off	Off
15	146.43000	146.43000		Simplex	FM	2M SPX	<input type="checkbox"/>	None	100.0 Hz	100.0 Hz	023	023	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	Off	Off	Off	Off
16	146.46000	146.46000		Simplex	FM	2M SPX	<input type="checkbox"/>	None	100.0 Hz	100.0 Hz	023	023	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	Off	Off	Off	Off
17	146.49000	146.49000		Simplex	FM	2M SPX	<input type="checkbox"/>	None	100.0 Hz	100.0 Hz	023	023	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	Off	Off	Off	Off
18	146.52000	146.52000		Simplex	FM	CALL 5	<input type="checkbox"/>	None	100.0 Hz	100.0 Hz	023	023	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	Off	Off	Off	Off
19	146.52000	146.52000		Simplex	FM	CALL 5	<input type="checkbox"/>	None	100.0 Hz	100.0 Hz	023	023	5 kHz	<input type="checkbox"/>	Mid1	<input type="checkbox"/>	Off	Off	Off	Off
20	146.55000	146.55000		Simplex	FM	2M SPX	<input type="checkbox"/>	None	100.0 Hz	100.0 Hz	023	023	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	Off	Off	Off	Off
21	146.58000	146.58000		Simplex	FM	2M SPX	<input type="checkbox"/>	None	100.0 Hz	100.0 Hz	023	023	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	Off	Off	Off	Off
22	146.61000	146.01000	600 kHz	Minus	FM	KORV	<input type="checkbox"/>	Tone	100.0 Hz	100.0 Hz	023	023	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	Off	Off	Off	Off
23	146.68500	146.08500	600 kHz	Minus	FM	BADGER	<input type="checkbox"/>	Tone	100.0 Hz	100.0 Hz	023	023	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	Off	Off	Off	Off
24	146.74500	146.14500	600 kHz	Minus	FM	WOLSD	<input type="checkbox"/>	Tone	100.0 Hz	100.0 Hz	023	023	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	Off	Off	Off	Off
25	146.76000	146.16000	600 kHz	Minus	FM	RACES	<input type="checkbox"/>	Tone	100.0 Hz	100.0 Hz	023	023	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	Off	Off	Off	Off
26	146.82000	146.22000	600 kHz	Minus	FM	WPKV	<input type="checkbox"/>	Tone	100.0 Hz	100.0 Hz	023	023	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	Off	Off	Off	Off

# SharkRF openSPOT.

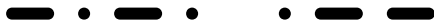
## Login

Password:

192.168.50.86

Advanced mode

# CW



- Learn CW Online: <https://lcwo.net/courseintro> Good all purpose site for learning CW.
- Morse Code Trainer: <https://morsecode.scphillips.com/trainer.html> CWA method for Level 1.
- RufzXP: <http://www.rufzxp.net/> Great for practicing call signs.
- Morse Runner: <http://www.dxatlas.com/morserunner/> great for contest CW practice
- CWA practice files: <https://cwops.org/level-2-practice-files/> More interesting than the W1AW files.
- AA9PW's site: <http://aa9pw.com/morsecode/> Several practice tools. A way to practice QSOs.
- Morse Camp: <https://morse.camp/> Good practice for listening to words.
- CWGet: <https://www.dxsoft.com/en/products/cwget/> The best way to see if you are sending comprehensible code is to send and see if a decoder can understand your code.
- Quote of the day: <http://www.morseresource.com/podcasts.php> A way to have daily code copy practice, using a podcast that publishes daily.
- Listen to CNN, W1AW, or NN9u's practice tables: <http://cw.dimebank.com:8080/>