

N1MM Setting Up for a VHF Contest

W3SZ and K3TUF



Pre-flight Checklist

- Create **new** contest database
- Download UDC if necessary
- Create the log
 - Select contest type
 - Edit station information
- Setup Super Check Partial master.mcp file
- Setup call history lookup file
- Set up per-band transverter offsets
- Set up Packet/Telnet
- (Set up N1MM DVK / .wav files)
- Open and position on screen all necessary windows
- Test all N1MM functions
- Enter test contacts
- Create/check Cabrillo file
- Delete test contacts

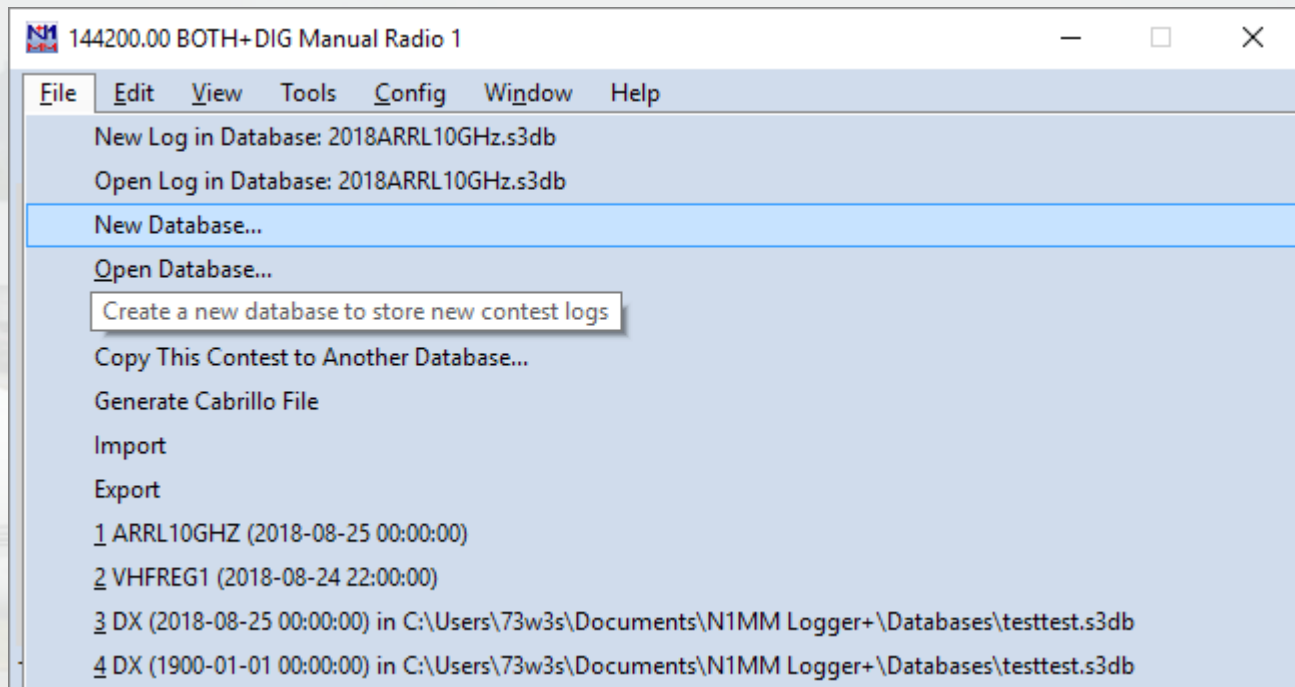
Setting up for a Contest

- Consider starting a new database for every contest
 - This will minimize your chances of catastrophic data loss
- Doing so is extremely simple, and there is no downside
- If your data becomes corrupted, restoring its integrity will be much simpler if each database file contains only one contest.

Go to the **Entry Window**

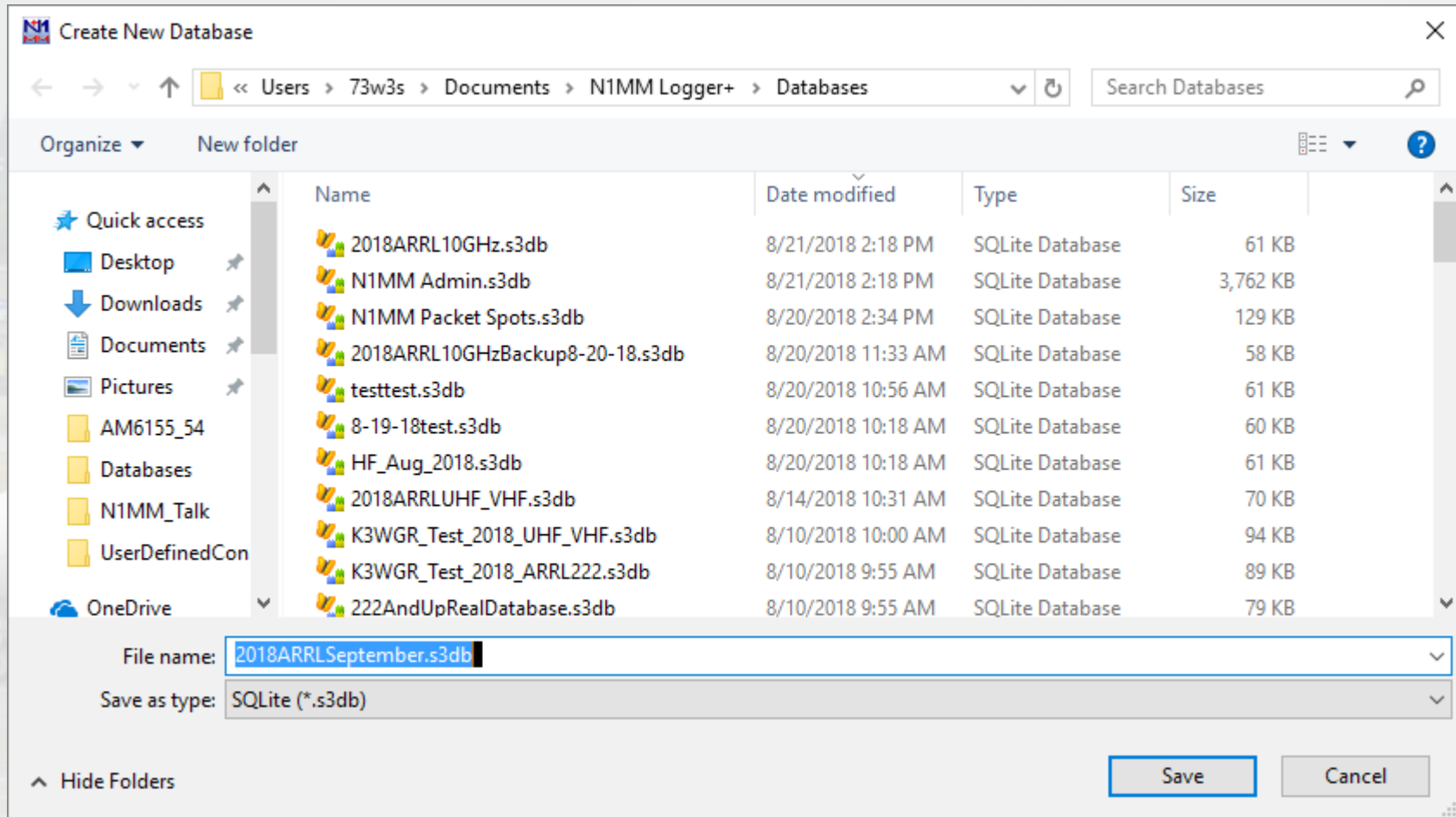
Click **File**

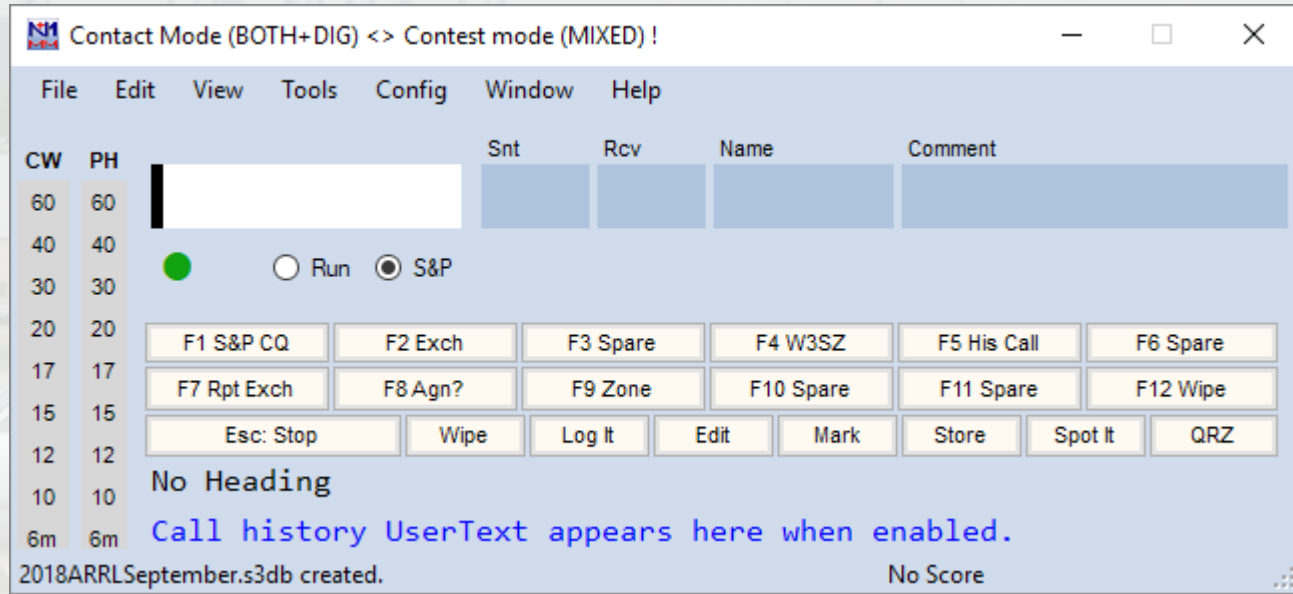
Click **New Database...**



Type your preferred **File name** for the contest database file in the text box

Click **Save**





The status bar at the bottom of the **Entry Window** will confirm that the database was successfully created.

Download the UDC if Necessary

- Some contests are “Supported” contests
 - Setting up a log for these contests merely requires their selection from the **LogType** dropdown list
- Other contests are “User Defined Contests” or “UDC” contests.
 - These require downloading a UDC file for the contest and placing that file into the appropriate directory

N1MM VHF and Up Contest Support



- Supported Contests:
 - ARRL January Sweepstakes
 - ARRL June VHF QSO Party
 - ARRL September VHF QSO Party
 - ARRL 10 GHz and Up Contest (new)
 - CQ World Wide VHF Contest
 - Various European VHF and Up Contests
- UDC Contests
 - ARRL 222 MHz and Up Distance Contest**
 - ARRL EME Contest

What about Non-Supported Contests?

Options Include:

- Create your own UDC
- Use another contest with similar exchange and rules.
Use text editor to modify the Cabrillo after the contest
- Use a “general” log like DX and use a text editor to modify the Cabrillo after the contest
- Request that the contest become one of the “Supported” contests in N1MM

Download the UDC if Necessary

Go to the Main N1MM Webpage

Click on **Files**

On the dropdown menu, Click on **User Defined Contests (UDC)**

The screenshot shows a web browser window displaying the N1MM Contest Logging Software website. The browser's address bar shows the URL: <https://n1mm.hamdocs.com/tiki-index.php?page=My+Contest+Isn%27t+Here&structure=N1MM...>. The website header features the N1MM LOGGER+ logo and the text "Contest Logging Software" and "Free Software for Phone, CW, and Digital Modes". A navigation menu includes "Home", "Files", "Documents", "Hot Topics", "Support", and "Website". The "Files" dropdown menu is open, showing a list of options: "N1MMplus Full Install", "N1MMplus Latest Updates", "N1MMplus Update History", "Experimental Versions", "Sample Function Key Files", "User Defined Contests (UDC)", "Call History Files", "Additional Support Files", "Files (list all Galleries)", "Documentation Downloads (pdf)", and "Documentation Translations (pdf)". A blue arrow points to the "User Defined Contests (UDC)" option. The background of the website shows a blurred image of an airport tarmac.



Contest Logging Software

Free Software for Phone, CW, and Digital Modes

- Home ▾
- Files ▾
- Documents ▾
- Hot Topics ▾
- Support ▾
- Website ▾

User Defined Contests (UDC) ⓘ

File Galleries > User Defined Contests (UDC)

Filename ▲	Description	Size	Last modified	Uploaded by	Hits	↓ ⓘ
_READ_ME_FIRST_NL+.rtf	Instructions on how to use UDC and other files located in this gallery for N1MM Logger+.	3.79 KB	29 Jan 2015	na3m	3267	
_Template.udc	Use this file to start new udc unless you have better alternative. It has all udc parameters (most of them are set to default values) as of 2/13/2018	2.93 KB	13 Feb 2018	na3m	267	













Doing so will bring up this page.

Scroll down / scroll through the pages to find the contest whose UDC you want to download.

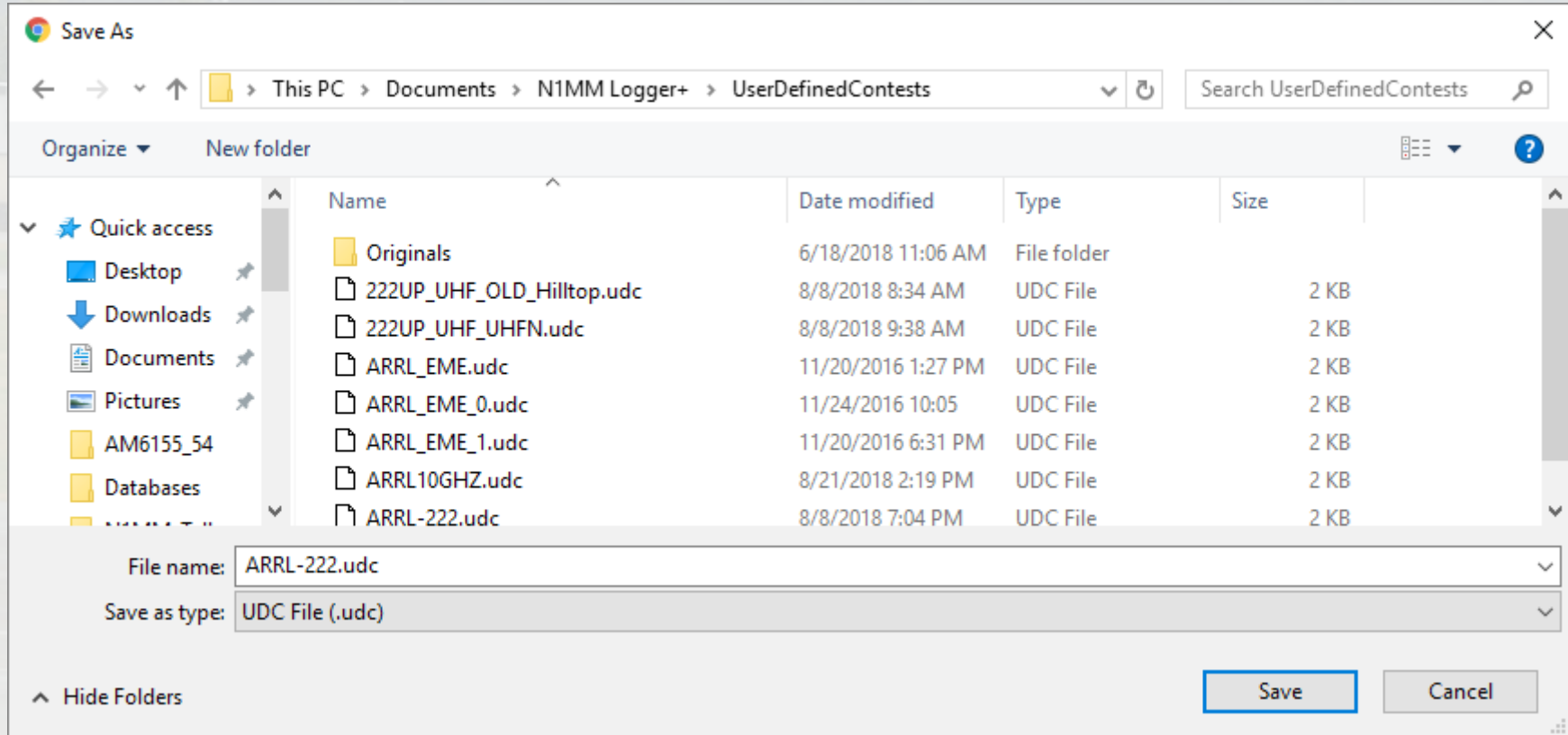
After you have scrolled down to the UDC file that you want to download:

Left-Click on the file name:

ARRL-222.udc

2017						
 ARIRTTY.UDC	Italian internal contest.	1.39 KB	03 Apr 2013	na3m	526	
 ARKTIKAPR.zip	Arktika Polar Radioman Contest files. Exchange is RST+AC# for members (559 AC4), RST+Serial Nr for non-members. Member Numbers are mults - once only.	2.75 KB	12 Sep 2017	G4OGB	359	
 ARR_RTTY.udc	CT1ARR (Portuguese) PSK63 contest. v1.0.4 CS2EPC added for 10 points.	1.21 KB	11 Jun 2017	G4OGB	565	
 ARRL_EME.udc	VHF/UHF only, signal report as exchange, dupes are not allowed on same band CW, SSB, FM and digital modes (select "ARRLEME" not "ARRLEMEVHF").	1.71 KB	15 Dec 2016	na3m	636	
 ARRL-222.udc	New ARRL "222 MHz and Up Distance Contest" to kick off August 5-6, 2017. Revision 1.0.4 (contest name changed to ARRL-222)	1.41 KB	06 Aug 2018	na3m	14	
 AUTUMN_SPR.udc	Michurinsk Contest Group Autumn Sprint (R3R-OS) Exchange RS(T)+Serial Nr. Mults DXCC+Oblasts v1.0.2	2.37 KB	17 Oct 2017	G4OGB	139	

Save the file to your “...Documents/N1MM Logger+/UserDefined Contests” directory:
N1MM will have previously created this directory. You DO NOT need to create it.

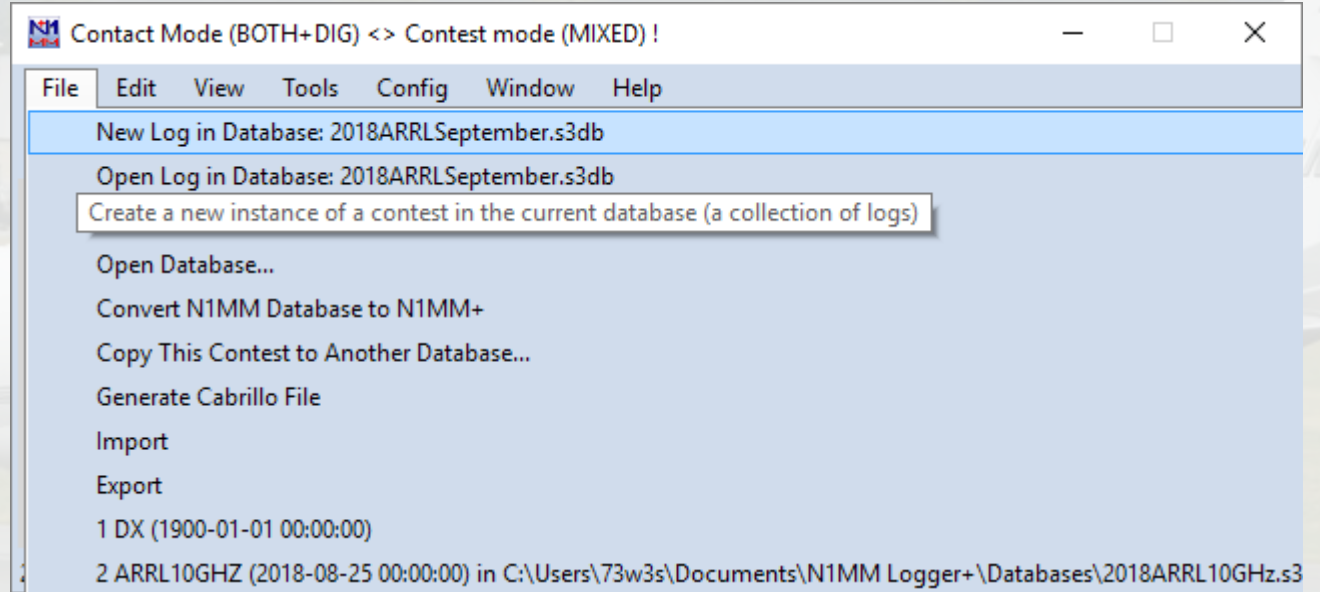


Next, Create the Log

In the **Entry Window**:

Click **File**

Click **New Log in Database:**
2018ARRLSeptember.s3db




New log for: General LoggingLog Type Start Date

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

Contest **Category**Operator Band Power Mode Overlay

State for Log Type QSOPARTY

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

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

Click on the arrow for the **LogType** dropdown menu

New log for: General Logging

Log Type

Start Date

on above.

Contest Associated Files

Category

Show Setup

Show Rules

Operator Band Power Mode Overlay

State for Log Type QSOPARTY

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

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

Update Ops from Log

Soapbox

OK

Help

Cancel

Scroll down to the contest type you want

(remember, we chose "ARRL-222" when we downloaded the UDC file)

And Click that contest name

ARRL-222.

Complete the form:

Set the **Start Date** and time.

Enter your grid (4 or 6 digit as appropriate) into the **Sent Exchange** textbox.

Enter the **Operators**

Set the other drop-downs to the appropriate values.

If you may be making some digital contacts, make sure that **Mode** is set to **SSB+CW+DIGITAL**

When finished, Click **OK** (We will come back to **Associated Files** in a minute).

New log for: ARRL-222

Log Type

Start Date

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

Contest

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

Station

Assisted

Time Category

Transmitter

Sent Exchange

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

Operators

Update Ops from Log

Soapbox

OK

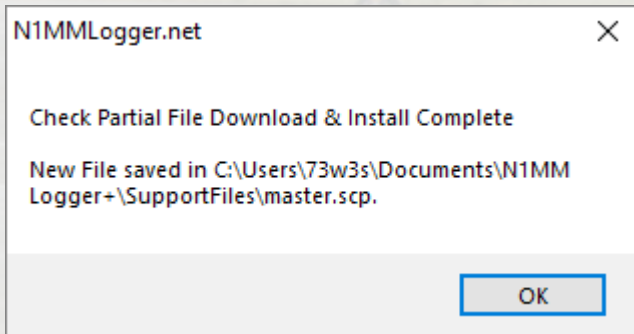
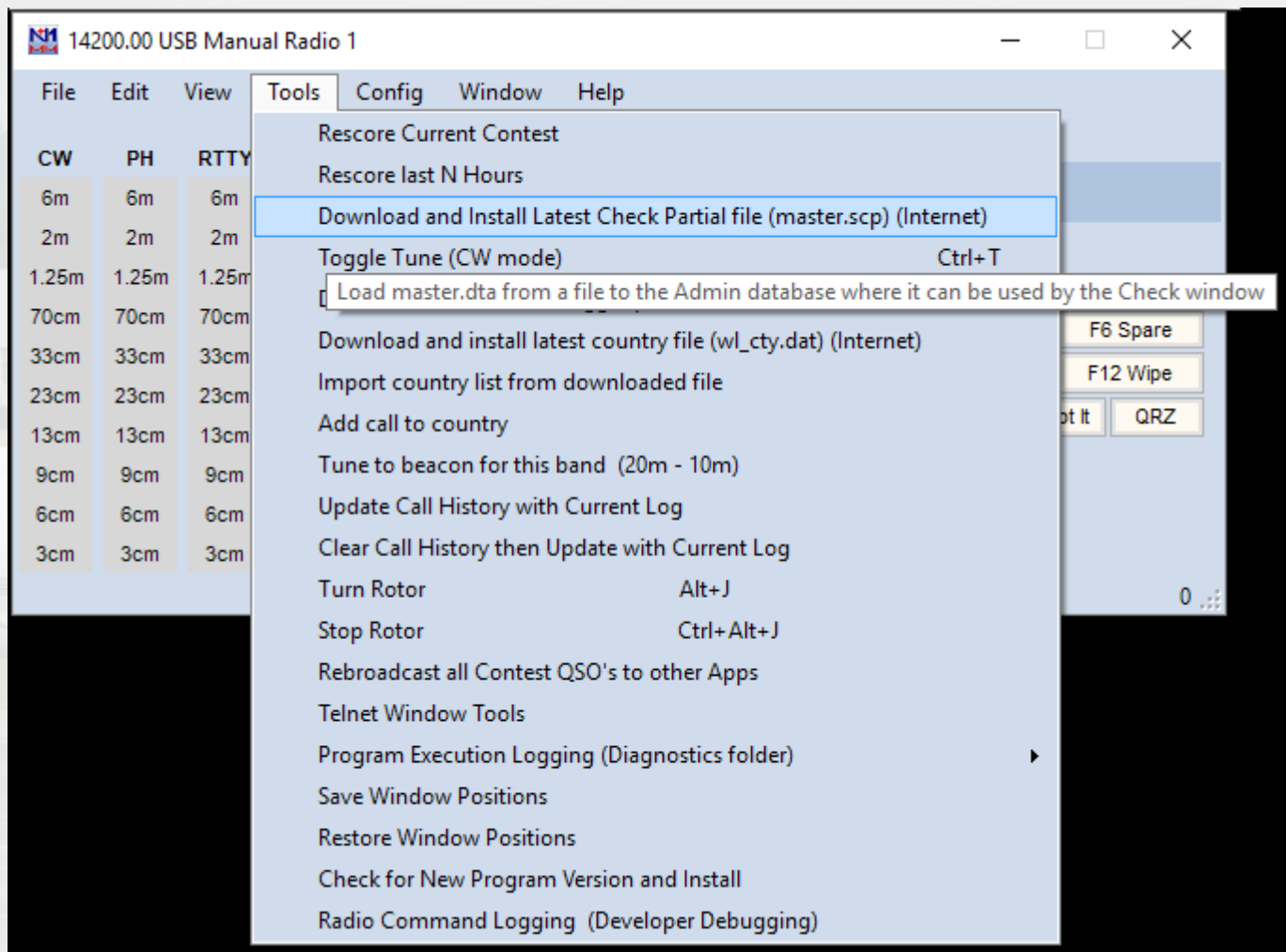
Help

Cancel

Download latest
master.scp file:

Click **Tools**

Click **Download
and Install Latest
Check Partial file
(master.scp)
(Internet)**



Call History Lookup File

- Can create using any text editor
- Can create from current log
- Can keep adding to **Call History File** by sequentially entering contest logs as you create them

File	Edit	View
CW	PH	RTTY
6m	6m	6m
2m	2m	2m
1.25m	1.25m	1.25m
70cm	70cm	70cm
33cm	33cm	33cm
23cm	23cm	23cm
13cm	13cm	13cm
9cm	9cm	9cm
6cm	6cm	6cm
3cm	3cm	3cm

● Grid required

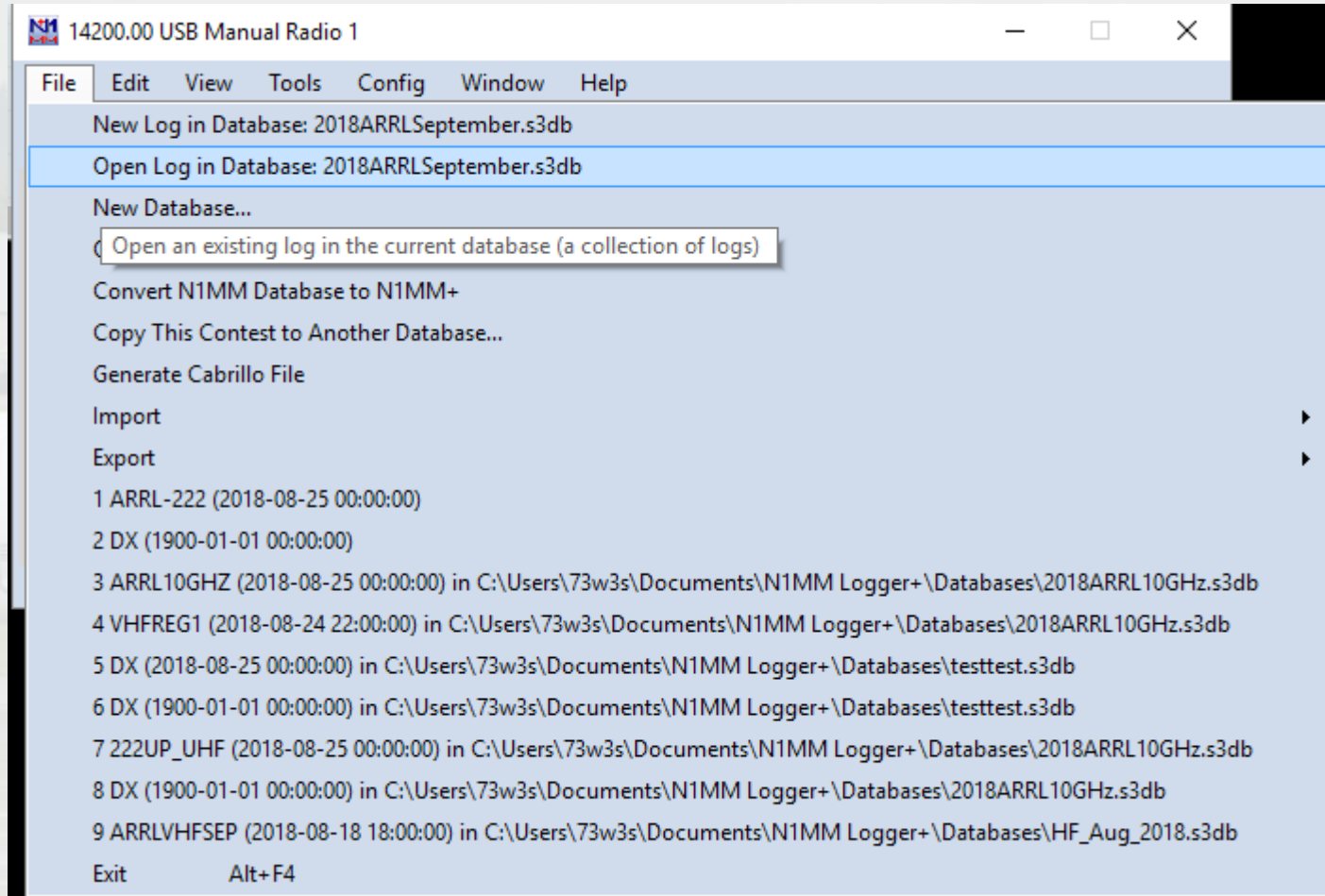
Tools menu options:

- Rescore Current Contest
- Rescore last N Hours
- Download and Install Latest Check Partial file (master.scp) (Internet)
- Toggle Tune (CW mode) Ctrl+T
- Download latest N1MM Logger pdf manual (Internet)
- Download and install latest country file (wl_cty.dat) (Internet)
- Import country list from downloaded file
- Add call to country
- Tune to beacon for this band (20m - 10m)
- Update Call History with Current Log**
- Clear Call History then Update with Current Log
- Turn Rotor
- Stop Rotor Ctrl+Alt+J
- Rebroadcast all Contest QSO's to other Apps
- Telnet Window Tools
- Program Execution Logging (Diagnostics folder)
- Save Window Positions
- Restore Window Positions
- Check for New Program Version and Install
- Radio Command Logging (Developer Debugging)

Once **Call History File** has been created or updated, need to associate it with the contest:

On **Entry Window**, Click **File**

Then Click **Open Log in Database:**
2018ARRLSeptember.s3db



This will bring up the **Contest Setup Window**

Click on **Associated Files**

Then on the row marked **Call History Filename** and click **Change**.

(You don't need to do this if you set up the **Call History File** location for a previous contest, unless you want to select a different **Call History File**).

Select Existing Log

Contest	Start Date	Contest Description
ARRL-222	2018-08-25 00:00:00	ARRL-222
DX	1900-01-01 00:00:00	General Logging
DELETEDQS	1900-01-01 00:00:00	Deleted Qs

Contest Associated Files

Sample Function Keys

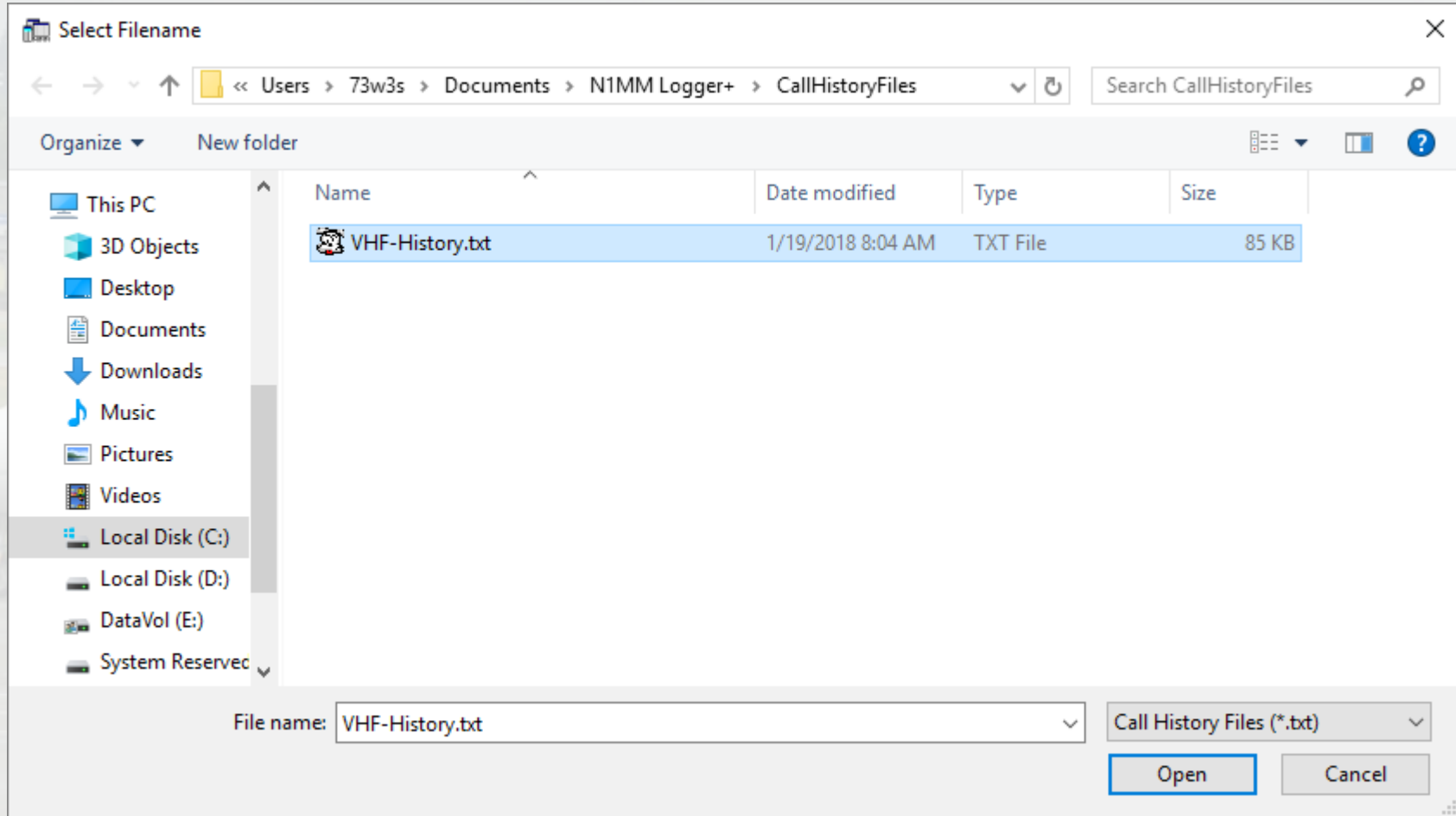
CW Function Key Filename	CW Default Messages.mc	Change	
SSB Function Key Filename	SSB Default Messages.mc	Change	
Digital Function Key Filename	Digi Default Messages.mc	Change	
Master.scf Filename	master.scf	Change	Default
Call History Filename		Change	Clear
Goal Filename		Change	Clear

OK Help Cancel

Select the desired **Call History File** and Click **Open**.

You will be returned to the **Contest Setup Window**.

Click **OK**.



Don't forget to ENABLE Call History Lookup!

On Entry Window, Click Config

Then Click Enable Call History Lookup

144200.00 USB Manual Radio 1

File	Edit	View	Tools
CW	PH	RTTY	PSK
6m	6m	6m	6m
2m	2m	2m	2m
1.25m	1.25m	1.25m	1.25m
70cm	70cm	70cm	70cm
33cm	33cm	33cm	33cm
23cm	23cm	23cm	23cm
13cm	13cm	13cm	13cm
9cm	9cm	9cm	9cm
6cm	6cm	6cm	6cm
3cm	3cm	3cm	3cm

144

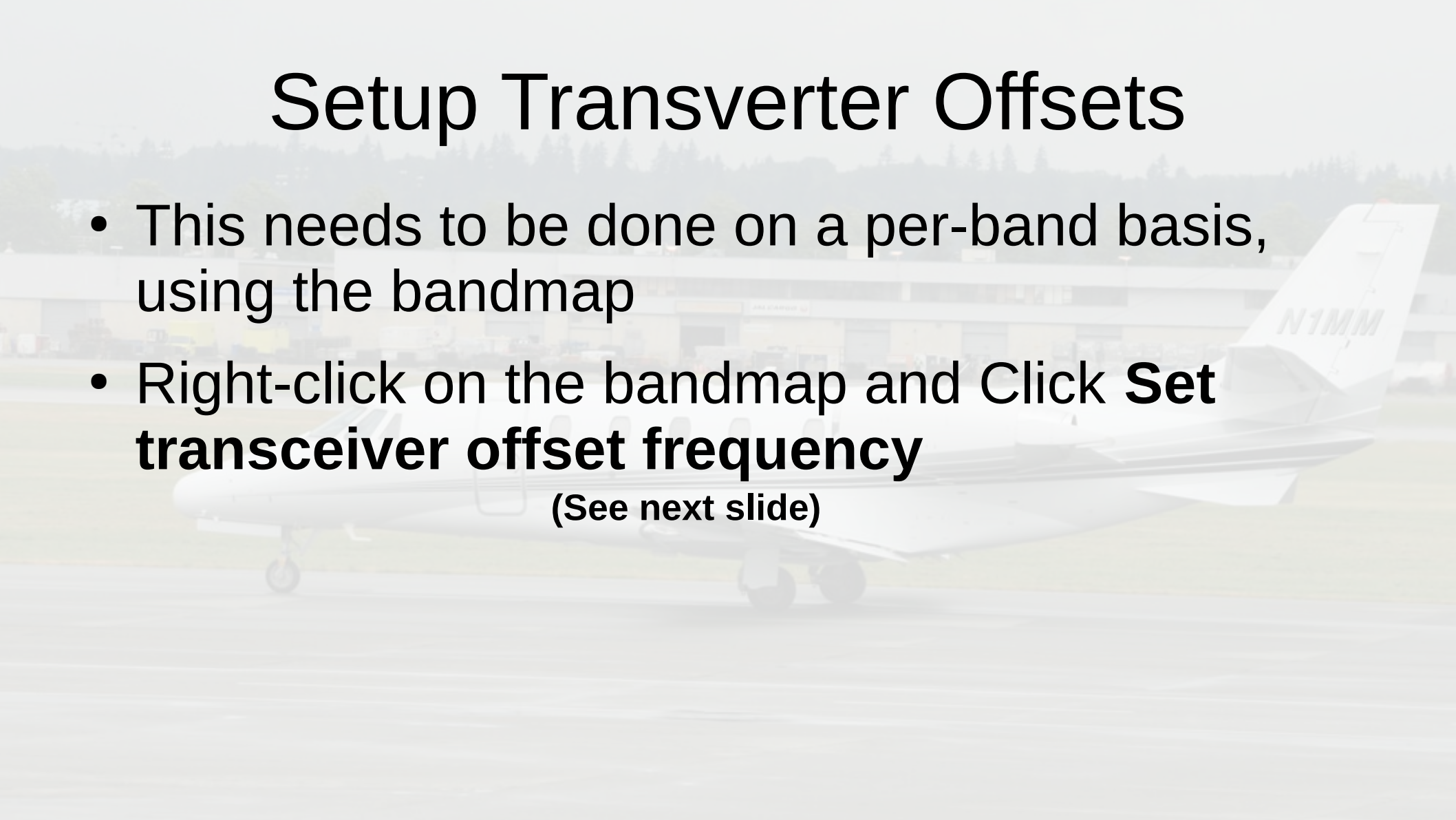
Config Window Help

- Configure Ports, Mode Control, Audio, Other...
- Change Your Station Data...
- Logger+ Audio Setup...
- Use Logger+ Audio
- Enter Sends Message (ESM mode) Ctrl+M
- Spot All S&P QSO's
- QSYing Wipes the Call & Spots QSO in Bandmap (S&P)
- Grab Focus From Other Apps When Radio is Tuned
- Do Not Automatically Switch to Run on CQ Frequency
- Show Non-Workable Spots and Dupes in Bandmap
- Reset RX Freq to TX when QSO is Logged (Run & Split)
- Sub Receiver Always On Ctrl+Alt+D
- CQ Repeat Alt+R
- Set CQ Repeat Time... Ctrl+R
- CW / PH AutoSend Threshold...
- Enable Call History Lookup
- Change CW/SSB/Digital Function Key Definitions
- Change B When enabled, Call History Lookup can be used to pre-fill the exchange
- Manage Skins, Colors and Fonts...
- Change Operator Callsign Stored in Log Ctrl+O
- Change Exchange Abbreviations
- SO2R
- WAE
- Clear *.ini File Settings
- SO2V Dual Receive...

Setup Transverter Offsets

- This needs to be done on a per-band basis, using the bandmap
- Right-click on the bandmap and Click **Set transceiver offset frequency**

(See next slide)



Manual Radio 1

144200.00 SH/DX Wide CO

RIT 0.00 XIT USB

144196

144197

144198

144199

144200

144201

144202

144203

144204

144205

144206

Reset

- Remove Selected Spot
- Blacklist callsign
- Blacklist spotter
- Zoom In (Numeric Pad +)
- Zoom Out (Numeric Pad -)
- Go to Bottom Of Band
- Go to Top of Band
- Remove Spectrum Scope Spots, This Band
- Remove Spots, This Band Only, Leave Self Spots
- Remove Spots, This Band Only
- Remove Spots, ALL BANDS, Leave Self Spots
- Remove Spots, ALL BANDS
- Turn Rotor
- Show Last 10 Spots
- Show QRZ
- Show Station
- Show Sunrise/Sunset
- Set Transceiver Offset Frequency**
- Set Transceiver Timeout Time
- Set Transceiver Set up the offsets for transverters. ▶
- Find a Callsign (use Alt+F8 to Return)
- Bring to Foreground When Made Active
- Reset Radios
- Show Network Station Names
- Telnet Bands/Modes
- Telnet Filters
- Set Spot Timeout
- Show Telnet History
- Show My Call Spot History
- Help

144202

144203

144204

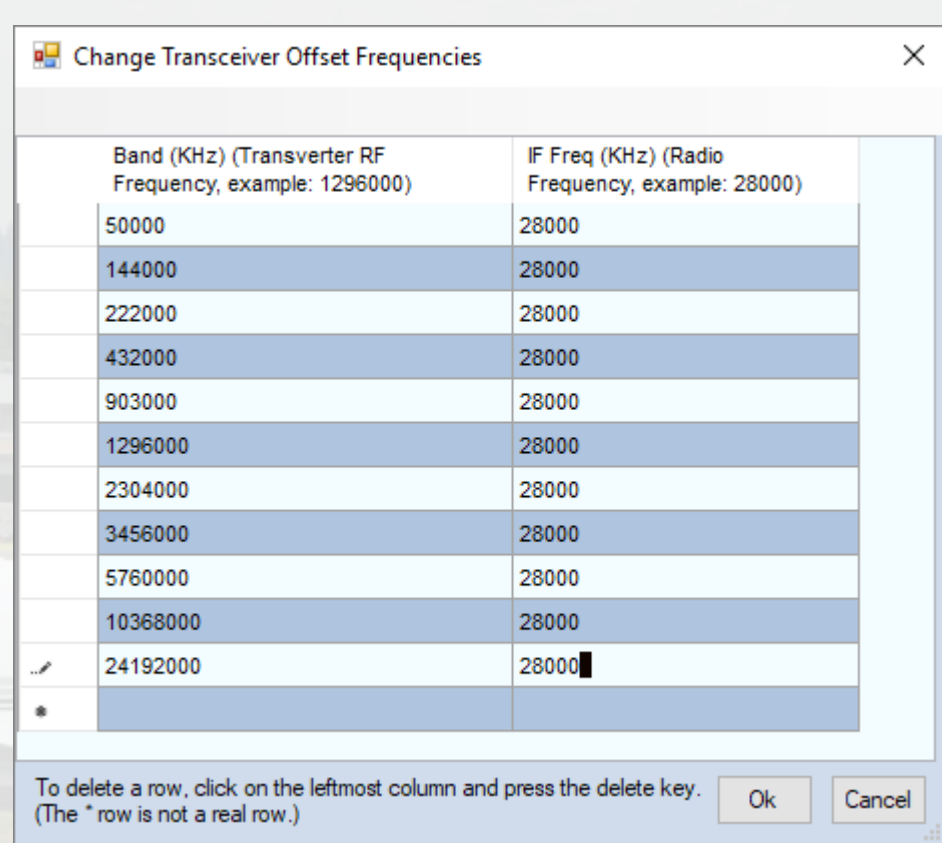
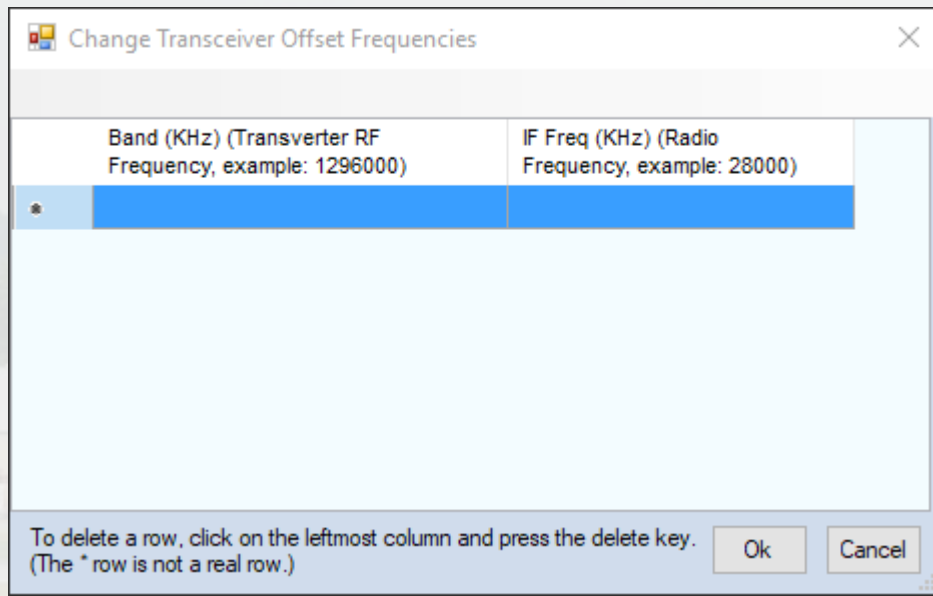
144205

144206

Reset

- Remove Selected Spot
- Blacklist callsign
- Blacklist spotter
- Zoom In (Numeric Pad +)
- Zoom Out (Numeric Pad -)
- Go to Bottom Of Band
- Go to Top of Band
- Remove Spectrum Scope Spots, This Band
- Remove Spots, This Band Only, Leave Self Spots
- Remove Spots, This Band Only
- Remove Spots, ALL BANDS, Leave Self Spots
- Remove Spots, ALL BANDS
- Turn Rotor
- Show Last 10 Spots
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- Show Station
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- Find a Callsign (use Alt+F8 to Return)
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- Show Network Station Names
- Telnet Bands/Modes
- Telnet Filters
- Set Spot Timeout
- Show Telnet History
- Show My Call Spot History
- Help



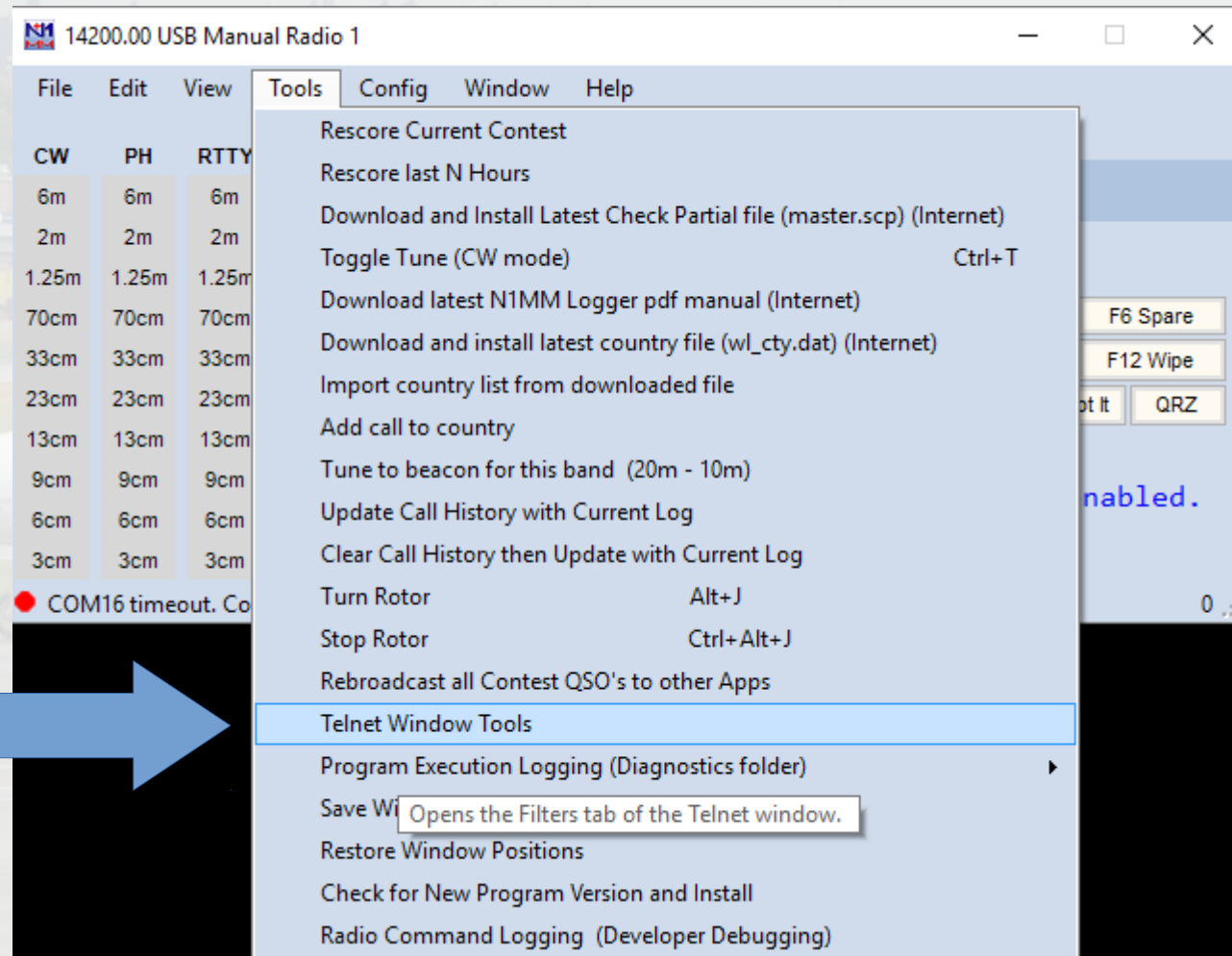


Fill in your transverter RF frequencies and IF frequencies and click **OK**.

NO NEED for you to calculate your LO frequencies!

You can also add a correction in 10s of Hz, e.g. 144000,12 for a correction of 120 Hz

Setting up Packet / Telnet for N1MM



The screenshot shows the N1MM software interface. The main window is titled "14200.00 USB Manual Radio 1". The menu bar includes File, Edit, View, Tools, Config, Window, and Help. The Tools menu is open, displaying a list of options. A blue arrow points to the "Telnet Window Tools" option, which is highlighted in blue. A tooltip for "Save Wi" indicates it "Opens the Filters tab of the Telnet window." The background shows an airplane tail with the call sign "N1MM".

CW	PH	RTTY
6m	6m	6m
2m	2m	2m
1.25m	1.25m	1.25m
70cm	70cm	70cm
33cm	33cm	33cm
23cm	23cm	23cm
13cm	13cm	13cm
9cm	9cm	9cm
6cm	6cm	6cm
3cm	3cm	3cm

COM16 timeout. Co

F6 Spare
F12 Wipe
QRZ

abled.

0

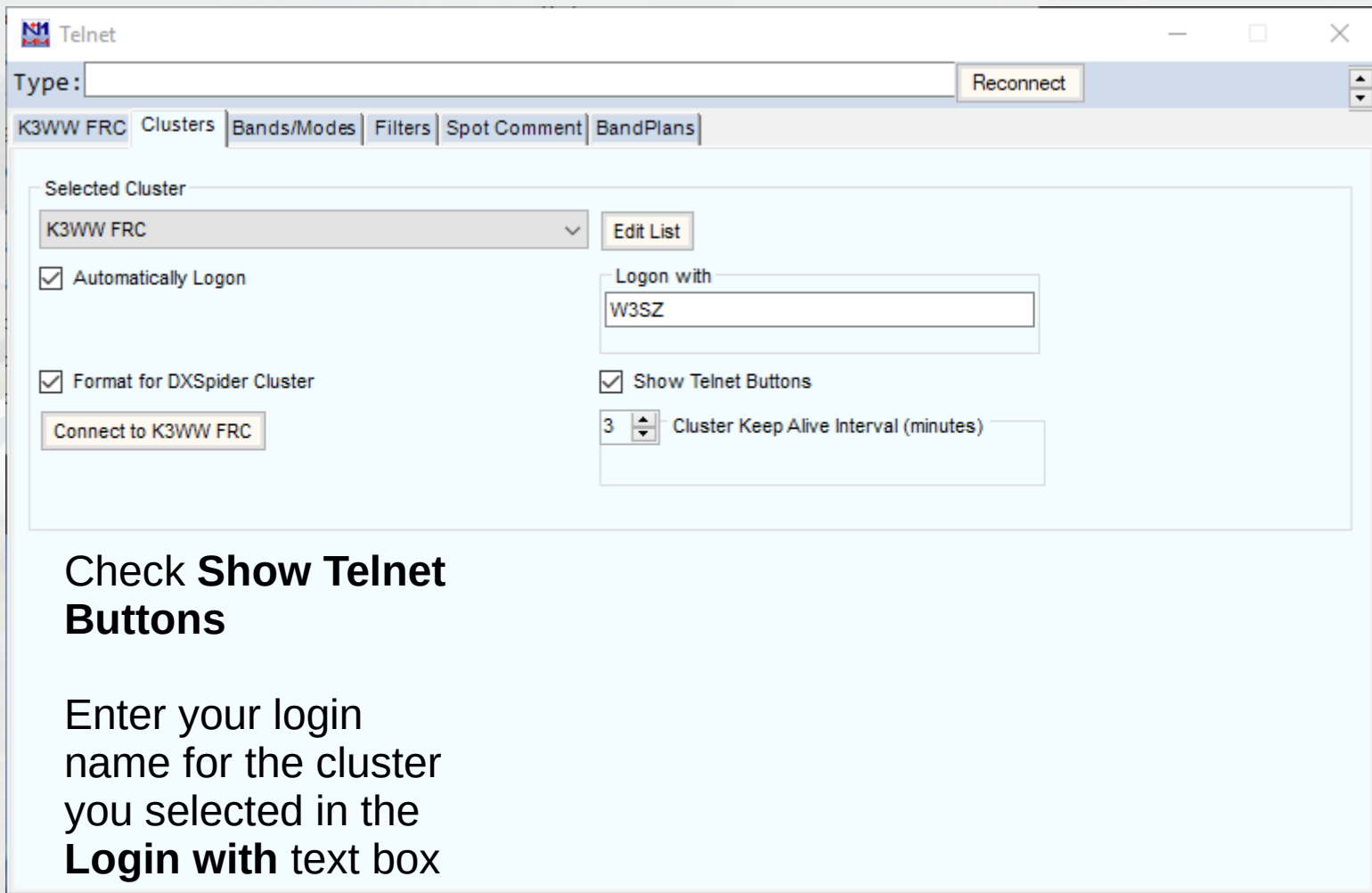
Telnet Setup:

Click on the
Clusters tab

Use the
Selected Cluster
dropdown arrow /
menu to select a
cluster that you
know has VHF and
Up coverage

Check
**Automatically
Logon**

If its a **DXSpider
Cluster**, check that
box



The screenshot shows the 'Telnet' application window with the 'Clusters' tab selected. The 'Selected Cluster' dropdown is set to 'K3WW FRC'. The 'Automatically Logon' checkbox is checked. The 'Format for DXSpider Cluster' checkbox is also checked. The 'Logon with' text box contains 'W3SZ'. The 'Show Telnet Buttons' checkbox is checked. The 'Cluster Keep Alive Interval (minutes)' is set to 3. A 'Connect to K3WW FRC' button is visible at the bottom left of the configuration area.

Check **Show Telnet
Buttons**

Enter your login
name for the cluster
you selected in the
Login with text box

Click the **Bands/Modes** tab

Check the boxes for the bands and modes for which you want to receive spots

Telnet

Type: Reconnect

K3WW FRC | Clusters | **Bands/Modes** | Filters | Spot Comment | BandPlans

HF	VHF	UHF	Mw	All Modes
<input type="checkbox"/> 1.8	<input checked="" type="checkbox"/> 50	<input type="checkbox"/> 430	<input type="checkbox"/> 9cm	<input checked="" type="checkbox"/> CW
<input type="checkbox"/> 3.5	<input type="checkbox"/> 70	<input type="checkbox"/> 903	<input type="checkbox"/> 6cm	<input checked="" type="checkbox"/> Phone
<input checked="" type="checkbox"/> 5	<input type="checkbox"/> 144	<input type="checkbox"/> 1296	<input type="checkbox"/> 3cm	<input checked="" type="checkbox"/> RTTY
<input checked="" type="checkbox"/> 7	<input type="checkbox"/> 222	<input type="checkbox"/> 2304	<input type="checkbox"/> 1cm	<input checked="" type="checkbox"/> PSK
<input checked="" type="checkbox"/> 10			<input type="checkbox"/> 6.4mm	<input type="checkbox"/> Contest
<input checked="" type="checkbox"/> 14			<input type="checkbox"/> 4mm	
<input checked="" type="checkbox"/> 18			<input type="checkbox"/> 2mm	
<input checked="" type="checkbox"/> 21			<input type="checkbox"/> 1.2mm	
<input checked="" type="checkbox"/> 24			<input type="checkbox"/> Light	
<input checked="" type="checkbox"/> 28				

Checking none of the mode boxes will allow all modes to be passed

Reset Band/Mode Defaults

Check the checkboxes for both:

Show non-workable spots

and

QSYing wipes call and puts it in the bandmap

If desired, also filter by region / prefix

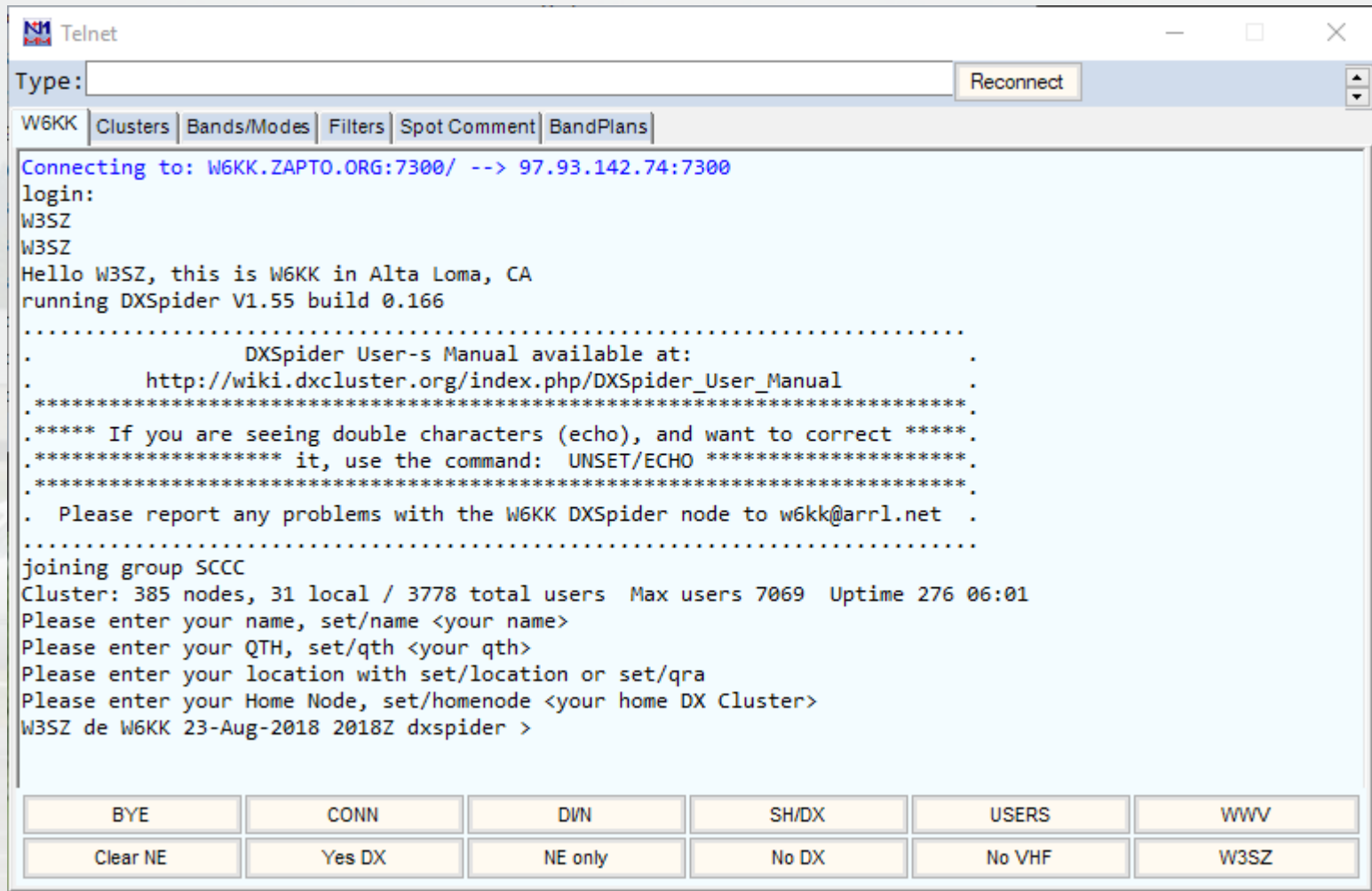
You can ignore the **Spot Comment** and **BandPlans** tabs

The screenshot shows the 'Telnet' application window with the 'Filters' tab selected. The interface includes a 'Type:' field, a 'Reconnect' button, and a navigation bar with tabs for 'K3WW FRC', 'Clusters', 'Bands/Modes', 'Filters', 'Spot Comment', and 'BandPlans'. The 'Filters' section contains several settings: 'Bandmap DX spot timeout (min)' set to 60, 'Save Spots' checked, and 'Update' button. Below these are three checked checkboxes: 'Show non-workable spots', 'QSYing wipes call and puts it in the bandmap', and 'Randomize Incoming Spot Frequencies'. The 'Include spots only originating in:' section has 'K' and 'NA' checkboxes, and a 'from prefixes' field with an 'only' label. A tip box on the right states: 'Tip: Filter as many spots as you can at the cluster. It lowers the cpu workload on your computer (s)'. The 'Blacklisted Spots' section has a 'Filter (1)' checkbox, 'Edit, Import or Export' button, and 'Clear' button. The 'Blacklisted Spotters' section has a 'Filter (1)' checkbox, 'Edit, Import or Export' button, and 'Clear' button. The 'Preferred Spotters' section has an 'Enabled' checkbox and an empty text field. At the bottom is a 'Help - Why don't I See Spots?' button.

Click on the **first tab**, which will be labeled with the callsign of the DXCluster that you selected (here **W6KK**).

Check to make sure you are logged on successfully and that there are no errors.

Most DX Clusters use port 7300, and you may have to open your firewall, router, and modem for that port.



Telnet

Type: Reconnect

W6KK | Clusters | Bands/Modes | Filters | Spot Comment | BandPlans

Connecting to: W6KK.ZAPTO.ORG:7300/ --> 97.93.142.74:7300

login:
W3SZ
W3SZ
Hello W3SZ, this is W6KK in Alta Loma, CA
running DXSpider V1.55 build 0.166

.....
. DXSpider User-s Manual available at: .
. http://wiki.dxcluster.org/index.php/DXSpider_User_Manual .

***** If you are seeing double characters (echo), and want to correct *****
***** it, use the command: UNSET/ECHO *****

. Please report any problems with the W6KK DXSpider node to w6kk@arrl.net .
.....

joining group SCCC
Cluster: 385 nodes, 31 local / 3778 total users Max users 7069 Uptime 276 06:01
Please enter your name, set/name <your name>
Please enter your QTH, set/qth <your qth>
Please enter your location with set/location or set/qra
Please enter your Home Node, set/homenode <your home DX Cluster>
W3SZ de W6KK 23-Aug-2018 2018Z dxspider >

BYE	CONN	DVN	SH/DX	USERS	WWW
Clear NE	Yes DX	NE only	No DX	No VHF	W3SZ

More info here:

<http://n1mm.hamdocs.com/tiki-index.php?page=Telnet+Window>

Setup N1MM Windows – put them on the screen in the locations you want.

They will be placed there each time you restart N1MM.

The screenshot displays a Windows desktop environment with several N1MM software windows open. At the top, there are multiple frequency display windows showing signal strength and frequency ranges. Below these are control panels for '144260.000' and '10368.035 000' frequencies, featuring various knobs and sliders for tuning and power. A 'WS32 Multi-SDR Controller' window is visible, showing a grid of SDR channels. In the bottom left, a 'Call Log' window lists recent contacts. The bottom right features a 'Grid Square Map' window with a grid of letters and numbers. A terminal window at the bottom center shows the N1MM desktop startup sequence, including the command 'DSDiSdr User's Manual available at: http://wiki.decluster.org/index.php/DSDiSdr_User_Manual' and the system boot process.

Setup N1MM Windows

The screenshot displays a Windows desktop environment with numerous application shortcuts. Several windows are open, illustrating the N1MM software setup:

- 144280.00 USB TS-2000 Radio 1**: A window showing a grid interface for a radio station. It includes a frequency display at 144280.00 and various control buttons like 'Run', 'SP', and 'SMP'. A message states: "Heading appears here when enabled. Call history UserText appears here when enabled."
- 10388035.00**: A window showing a grid interface for another radio station. It includes a frequency display at 10388035.00 and control buttons like 'Run', 'SP', and 'SMP'. A message states: "Heading appears here when enabled. Call history UserText appears here when enabled."
- Grid Square Map - Current Band: 144**: A window showing a grid square map for the current band.
- N1MM Home**: A window showing a call log for 08-23-2025 at 23:52 on frequency 144280.00 USB, with a call from FN323P. It includes a 'Score: 0 Points' section and a 'Status' section with a 'Reconnect' button.
- DRSpider V1.95**: A window showing a login prompt for user 'w8oc' and displaying system information for a 390-node cluster. The text includes: "w8oc@144280.00:~\$./DRSpider V1.95 build 8.166", "DRSpider User's Manual available at: http://wiki.drcluster.org/index.php/DRSpider_User_Manual", and "Cluster: 390 nodes, 28 local / 445 total users Max users 7069 Uptime 277 22:58".

Test All N1MM Functions:

Log contacts

Bandswitching And Radio Control

Rotor Control

Telnet

Bandmap

Super Check Partial (master.scp and Call History Lookup)

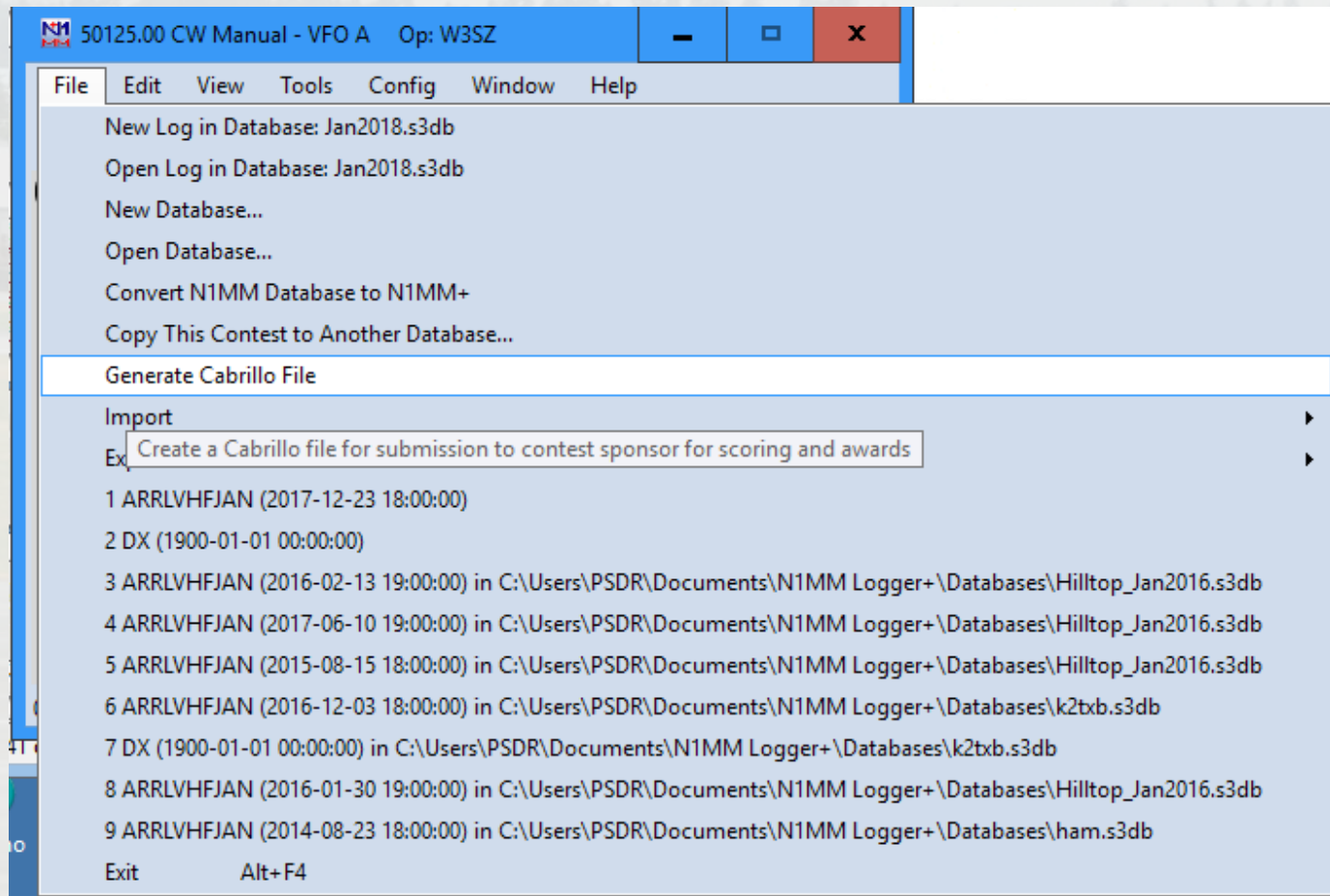
CW and DVK Keying, PTT, Audio

Macros/HotKeys

The image displays a collage of screenshots from the N1MM software interface, illustrating various functions and data views:

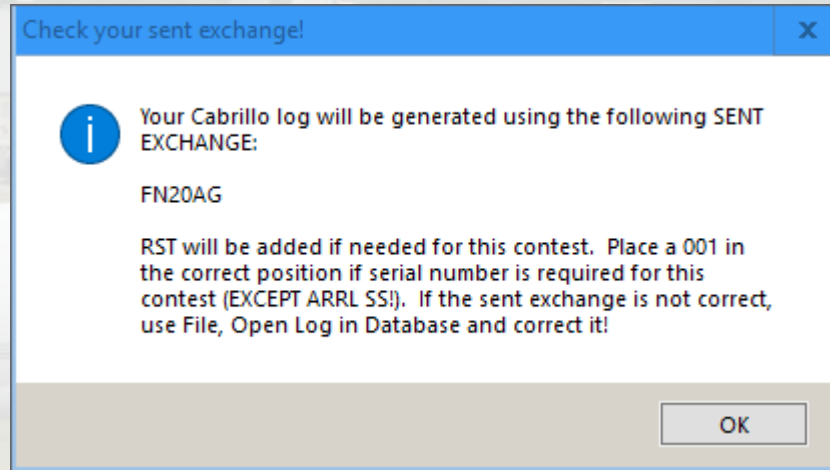
- Top Left:** A Windows desktop environment with numerous application icons, including iTunes, Spotify, and various utility programs.
- Top Right:** Two radio frequency displays for TS-2000 Radio 1 and Radio 2, showing frequency, mode, and power levels.
- Middle Section:** Two screenshots of the radio control interface, showing frequency, mode, and various function buttons like 'Run', 'SMP', and 'SP3'.
- Bottom Left:** A 'Call History' window showing a table of call logs with columns for date, time, call, frequency, mode, and grid.
- Bottom Center:** A 'Super Check' window displaying a table of band usage statistics, including columns for band, mode, QSO, Pts, HLI, and P/Q.
- Bottom Right:** A 'Bandmap' window showing a grid of frequency bands and a 'Grid Square Map' window showing a grid of squares with various data points.

Create a Cabrillo



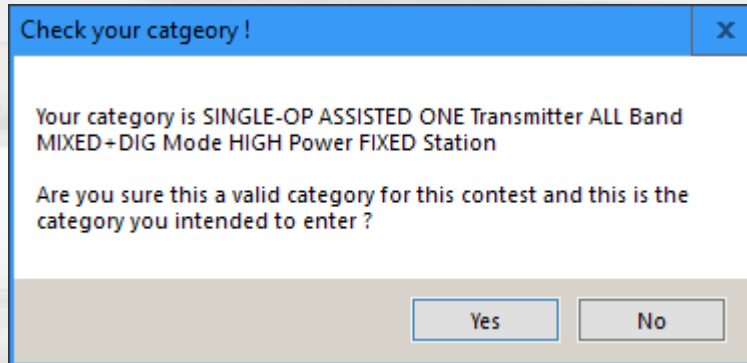
Click on "File" and then on "Generate Cabrillo File"

Create a Cabrillo



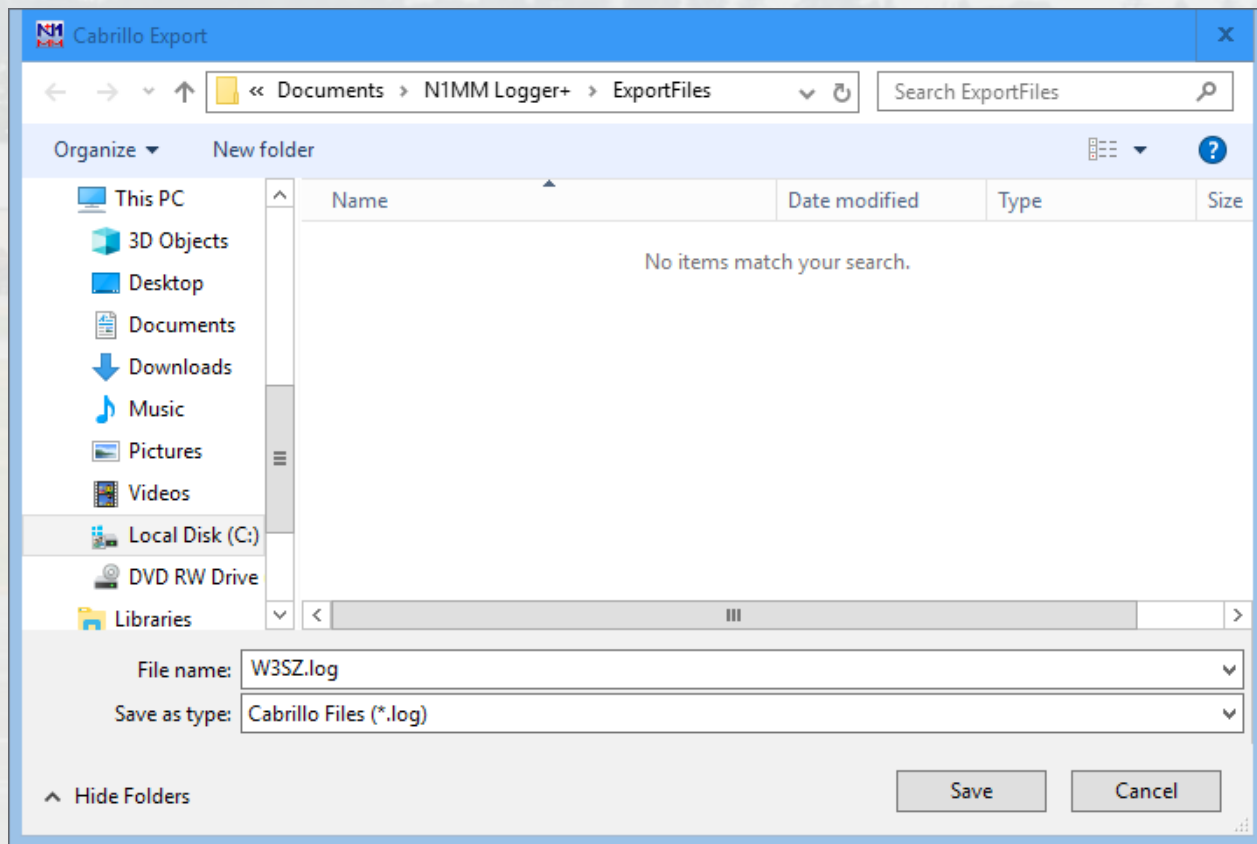
Click "OK"

Create a Cabrillo



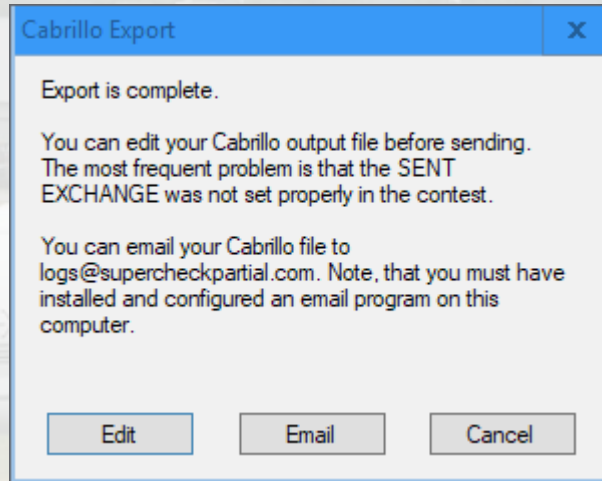
Click “Yes” if the parameters are correct

Create a Cabrillo



Change the Cabrillo
file name if desired

Create a Cabrillo



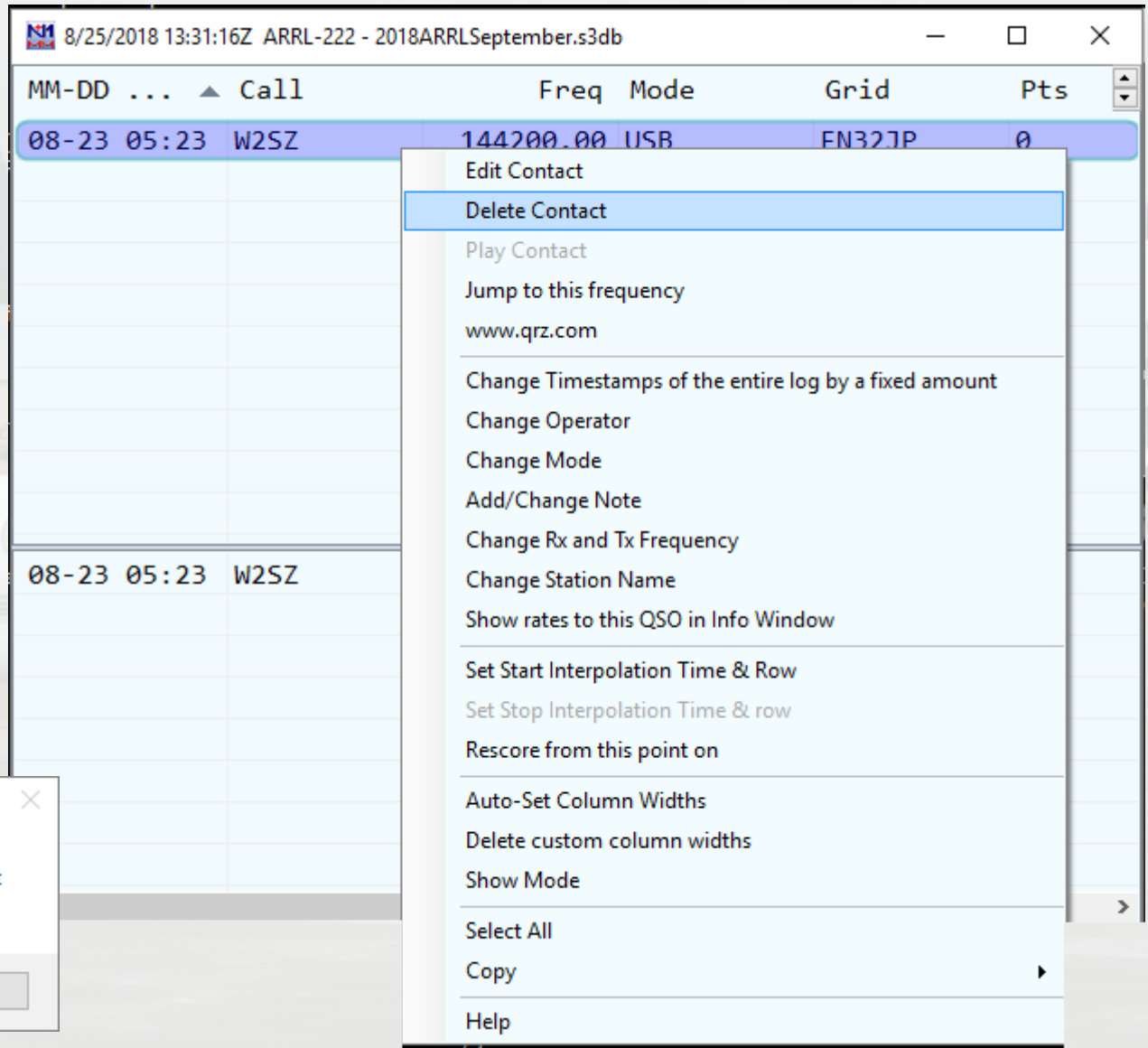
Click "Edit"

Create a Cabrillo

```
START-OF-LOG: 3.0
LOCATION: EPA
CALLSIGN: W3SZ
CLUB: Mt Airy VHF Radio Club
CONTEST: ARRL-10-GHZ
CATEGORY-OPERATOR: SINGLE-OP
CATEGORY-ASSISTED: ASSISTED
CATEGORY-BAND: ALL
CATEGORY-MODE: MIXED
CATEGORY-POWER: HIGH
CATEGORY-STATION: FIXED
CATEGORY-TRANSMITTER: ONE
CLAIMED-SCORE: 620
OPERATORS: W3SZ
NAME: Roger Rehr
ADDRESS: 2 Merrymount Road
ADDRESS-CITY: Reading
ADDRESS-STATE-PROVINCE: PA
ADDRESS-POSTALCODE: 19609
ADDRESS-COUNTRY: USA
CREATED-BY: N1MM Logger+ 1.0.7245.0
QSO: 10G CW 2018-08-18 1148 W3SZ FN20AG K3TUF FN10WE
QSO: 10G CW 2018-08-18 2004 W3SZ FN20AG K3WHC FN21HB
QSO: 10G CW 2018-08-18 2025 W3SZ FN20AG AB4CR FN21HB
QSO: 10G CW 2018-08-19 1059 W3SZ FN20AG W2RMA FM19AW
QSO: 10G CW 2018-08-19 1119 W3SZ FN20AG N3RG FM29KI
QSO: 10G CW 2018-08-19 1425 W3SZ FN20AG WA3GFZ FN21HB
END-OF-LOG:
```


Delete Test Contacts

In the **Log Window**,
Right-Click the contact that
you want to delete
Click **Delete Contact**
Click **Yes**



The screenshot shows the ARRL-222 log window with a context menu open over a contact. The window title is "8/25/2018 13:31:16Z ARRL-222 - 2018ARRLSeptember.s3db". The log table has columns for MM-DD, Call, Freq, Mode, Grid, and Pts. The selected contact is "08-23 05:23 W2SZ" at frequency "144200.00" in "USB" mode with grid "FN32JP" and 0 points. The context menu includes options like "Edit Contact", "Delete Contact", "Play Contact", "Jump to this frequency", "www.qrz.com", "Change Timestamps of the entire log by a fixed amount", "Change Operator", "Change Mode", "Add/Change Note", "Change Rx and Tx Frequency", "Change Station Name", "Show rates to this QSO in Info Window", "Set Start Interpolation Time & Row", "Set Stop Interpolation Time & row", "Rescore from this point on", "Auto-Set Column Widths", "Delete custom column widths", "Show Mode", "Select All", "Copy", and "Help".

MM-DD	...	Call	Freq	Mode	Grid	Pts
08-23	05:23	W2SZ	144200.00	USB	FN32JP	0
08-23	05:23	W2SZ				

Confirm Contact Delete

Are you sure you want to move to DELETEDQS this contact with W2SZ at
2018-08-23 05:23:50?

Yes

No