

N3FJP Winter Field Day Contest Log

SCRA Configuration Instructions for Distributed Winter Field Day 2021

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Introduction

Due to the COVID-19 pandemic, members of Sonoma County Radio Amateurs Inc. (SCRA) will operate individually and separately while participating in the Winter Field Day 2021 event (WFD) sponsored by the Winter Field Day Association (WFDA). To promote club camaraderie during this social-distancing event, SCRA encourages members to log their results using the commercial program *N3FJP Winter Field Day Contest Log*, current version 2.7. Above 30 contacts, a lifetime license is required (\$8.99). During the event, if you have an Internet connection, the program can upload your progress for all club members and the public to see. At the conclusion of the event, send your final data both to the WFDA and to Brian N6IYY who will aggregate results to compute an equivalent club score. This document contains program configuration instructions. The latest version is here:

<http://fredee.com/scra/wfdlogger.pdf> .

SCRA is encouraging 2-meter analog FM simplex voice operation this year. Technicians, this includes you. Other than satellite repeaters and digipeaters, QSOs through repeaters do not count. For operating suggestions, see my document *Field Day on 2 Meters*: <http://fredee.com/scra/fdon2m.pdf>

The official Winter Field Day rules are here:

https://a2a53e2b-2285-4083-9cff-c99fe5ba1658.filesusr.com/ugd/1c7085_2445ed4b22f74e048fe9bd41c8dba103.pdf

Conventions

- [CALL] = your call sign, UPPER CASE, no brackets. Example: K9QRZ
- [call] = your call sign, lower case, no brackets. Example: k9qrz
- [call.html] = filename of your call sign plus .html Example: k9qrz.html
- [INITIALS] = your initials, UPPER CASE, preferably three. Example: PDA
(Penny D. Abersnacky)
- QSO = A completed contact where call sign, class, and section were exchanged.

Find Your Latitude and Longitude

There are many methods, but one is to type your address into the following web page:

<https://www.latlong.net/convert-address-to-lat-long.html>

Using the Luther Burbank Art and Garden Center (LBAGC) as an example, the above web page returns latitude = 38.436980, longitude = -122.669130 (in degrees), see the following figure:

Get Lat Long from Address

By using this geographic tool you can get the **lat long coordinates from an address**. Please type the address which would include the name of the city/town, state and street name to get more accurate lat long value. Also, the *gps coordinates* of the address will be calculated below.

Address

2050 Yulupa Ave, Santa Rosa, CA **Find**

Write city name with country code for better results.

Latitude: 38.436980 Longitude: -122.669130

Drivers who switch to Allstate and save, average \$718 a year. **Allstate**

Figure 1 – Latitude and longitude look-up.

Download and Install N3FJP Winter Field Day Contest Log 2.7

Visit this web page: <http://www.n3fjp.com/winterfieldday.html>

Click the link [Download Winter Field Day Contest Log Now!](#)



Figure 2 – N3FJP download page.

Find the downloaded file (WINTERFIELDDAY.exe). In Windows 10, right click the file and select “Run as Administrator”. Follow the prompts and accept the defaults unless you know better:

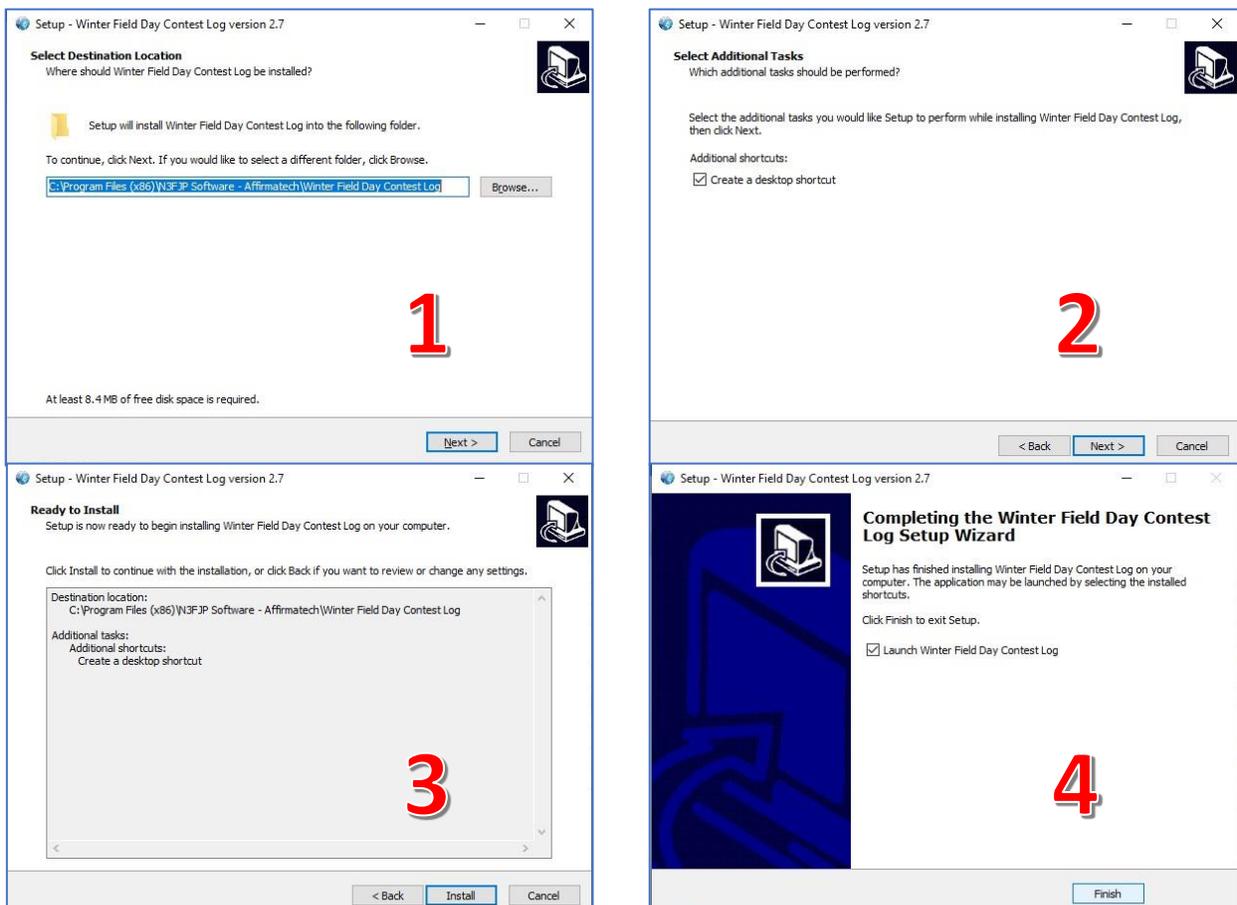


Figure 3 – Software installation steps.

Launch the Logger

Launching the program brings up the following screen. If you purchased a lifetime license (for \$8.99), enter your [CALL] and associated Password, then click Continue. If you did not, just click Continue:



Figure 4 – Registration page.

NOTE: When you enter your [CALL] sign in the first box on the next screen, the Latitude and Longitude will change to incorrect values every time. So, enter the correct Latitude and Longitude values after you have entered your [CALL] sign. Populate all boxes on this form.

The screenshot shows the Setup (Ctrl S) dialog box for the Winter Field Day Contest Log software. The dialog box is divided into sections: Common Fields, Required for Field Day, and Optional. Fields include Call, Country, Continent, Latitude, Longitude, CQ Zone, ITU Zone, Class, ARRL Section, Operator, and Initials. Red arrows point from text boxes to the corresponding fields. A red box highlights a note about the Operator and Initials fields.

Common Fields

- Call: [CALL]
- Country: USA
- Continent: NA
- Latitude: []
- Longitude: [] (West is negative)
- CQ Zone: 3
- ITU Zone: 6

Required for Field Day

- Class: 1E
- ARRL Section: SF

Optional

- Operator: [CALL]
- Initials: [INITIALS]

Always display this form on startup (you can display it from the Settings menu at any time).

Buttons: Help, Done

Annotations:

- Your callsign, uppercase
- Your Latitude, e.g. 38.4370 (LBAGC)
- Your Longitude, e.g. -122.6691 (LBAGC)
- Your Class: 1B, 1BB, 1C, 1D, 1E see rules
- Your ARRL Section. SF = San Francisco
- Your call sign, again. Or guest operator.
- Your 3 initials, uppercase. Or guest op's.

NOTE: These two values appear in each record of the log file. They are important when multiple files are aggregated. **If you are running a GOTA station,** enter the Control Operator's call sign and the three initials of the third-party guest.

Figure 5 – Setup page.

Configure Mode, Band and Enter QSO Data

On the following main screen, change Band and Mode to match your QSO (here shown as 2 meters, phone). Your Call, Class and Section should not change during the event if you are the only operator:

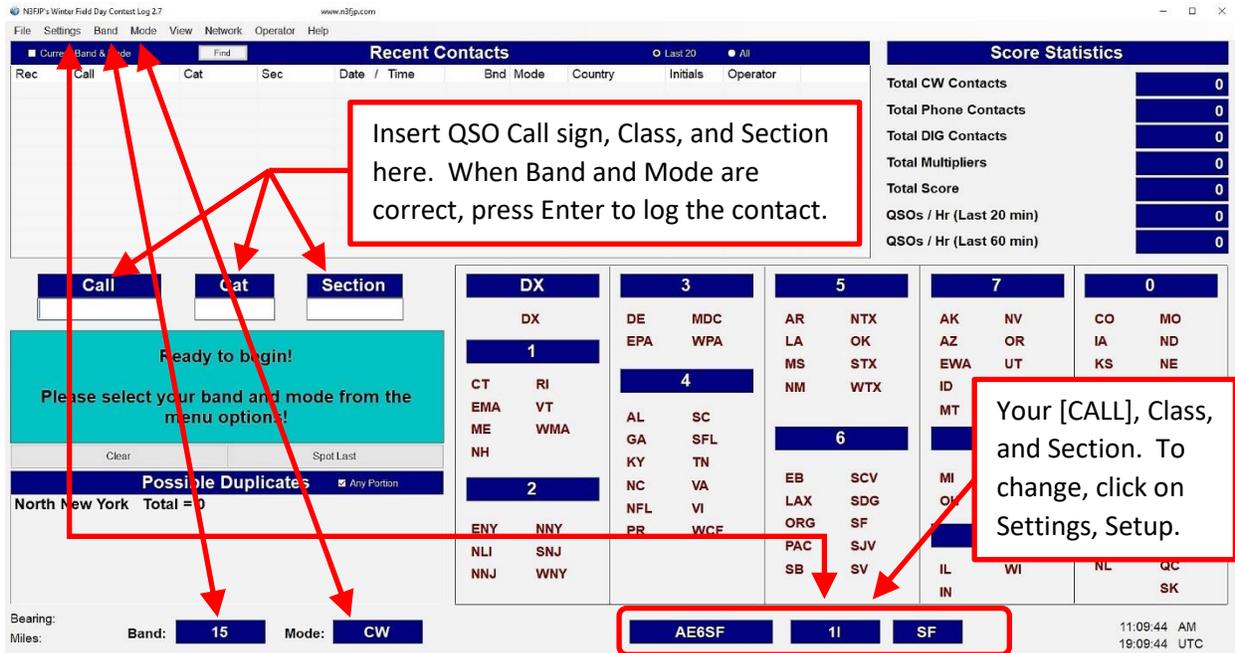


Figure 6 – Band, Mode, and record entry.

The following screen shows the result of entering five fictitious QSOs: Each row is a “record”. Date and Time are UTC, taken from your computer local time and adjusted automatically for your location.

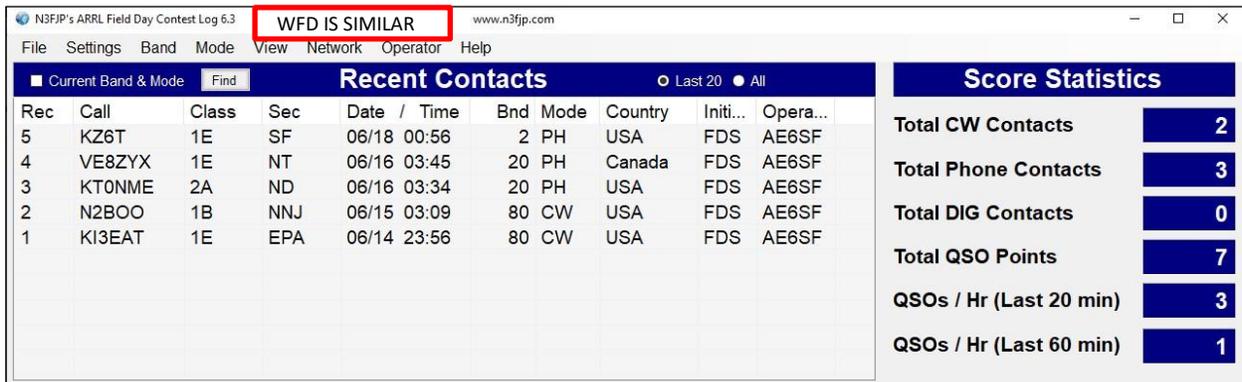


Figure 7 – Main screen with 5 QSO records.

If a record is incorrect, click on it, click Edit or Delete. Example – Record #3:



Figure 8 – Choose record to revise.

If you clicked Edit, change the undesired values, then click Done.



Figure 9 – Editing a record.

Rig Control

This program can do rig control with capable radios. If implemented, the radio's current frequency will be logged and show on the club summary page. Go to Settings, Rig Interface to configure this feature.

Share Your Contact Progress with Club Members and the Public

This section describes enabling the logger to periodically upload your current QSO results so that anyone, including the public, can follow the progress of club members during the Field Day event. The program will upload your results every three minutes when it has an Internet connection and will wait to upload when it does not. **This feature is optional but encouraged.**

The QSO results will be uploaded into an individual file. A separate computer will be running a program named *N3FJP Club Score Processor*. Every three minutes, it will read the above file and similar files from other club members (three in this case), and generate the following summary file, which may be viewed (by all) at: <http://fredee.com/ham/scra.html>

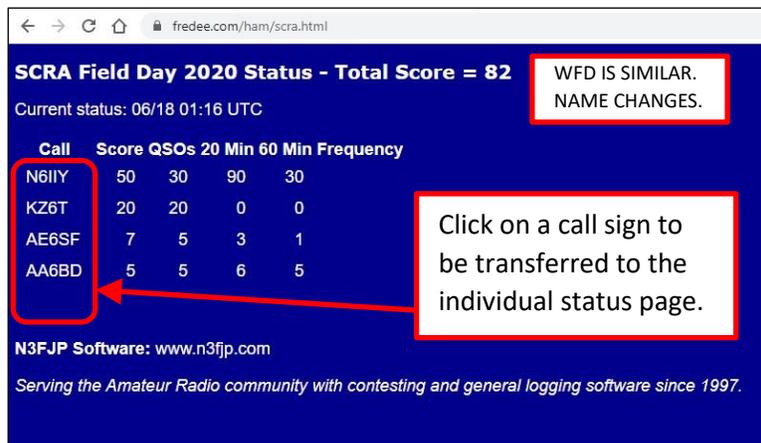
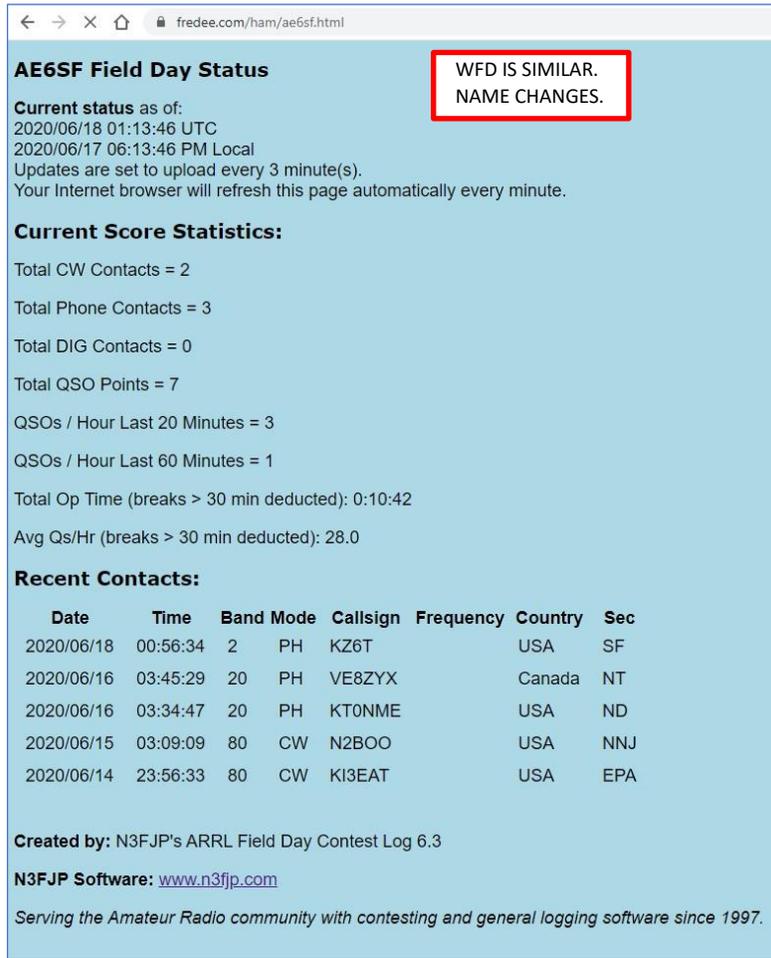


Figure 10 – Summary status page of club member results.

The individual file can be accessed whether or not the *N3FJP Club Score Processor* is running by browsing to this address: [http://fredee.com/ham/\[call.html\]](http://fredee.com/ham/[call.html]) . Here is an example file:



AE6SF Field Day Status

Current status as of:
 2020/06/18 01:13:46 UTC
 2020/06/17 06:13:46 PM Local
 Updates are set to upload every 3 minute(s).
 Your Internet browser will refresh this page automatically every minute.

Current Score Statistics:

Total CW Contacts = 2
 Total Phone Contacts = 3
 Total DIG Contacts = 0
 Total QSO Points = 7
 QSOs / Hour Last 20 Minutes = 3
 QSOs / Hour Last 60 Minutes = 1
 Total Op Time (breaks > 30 min deducted): 0:10:42
 Avg Qs/Hr (breaks > 30 min deducted): 28.0

Recent Contacts:

Date	Time	Band	Mode	Callsign	Frequency	Country	Sec
2020/06/18	00:56:34	2	PH	KZ6T		USA	SF
2020/06/16	03:45:29	20	PH	VE8ZYX		Canada	NT
2020/06/16	03:34:47	20	PH	KT0NME		USA	ND
2020/06/15	03:09:09	80	CW	N2BOO		USA	NNJ
2020/06/14	23:56:33	80	CW	KI3EAT		USA	EPA

Created by: N3FJP's ARRL Field Day Contest Log 6.3
N3FJP Software: www.n3fjp.com
Serving the Amateur Radio community with contesting and general logging software since 1997.

Figure 11 – Individual status page.

To enable the uploads, first click on Network and ensure that File Share is checked, then click Done.

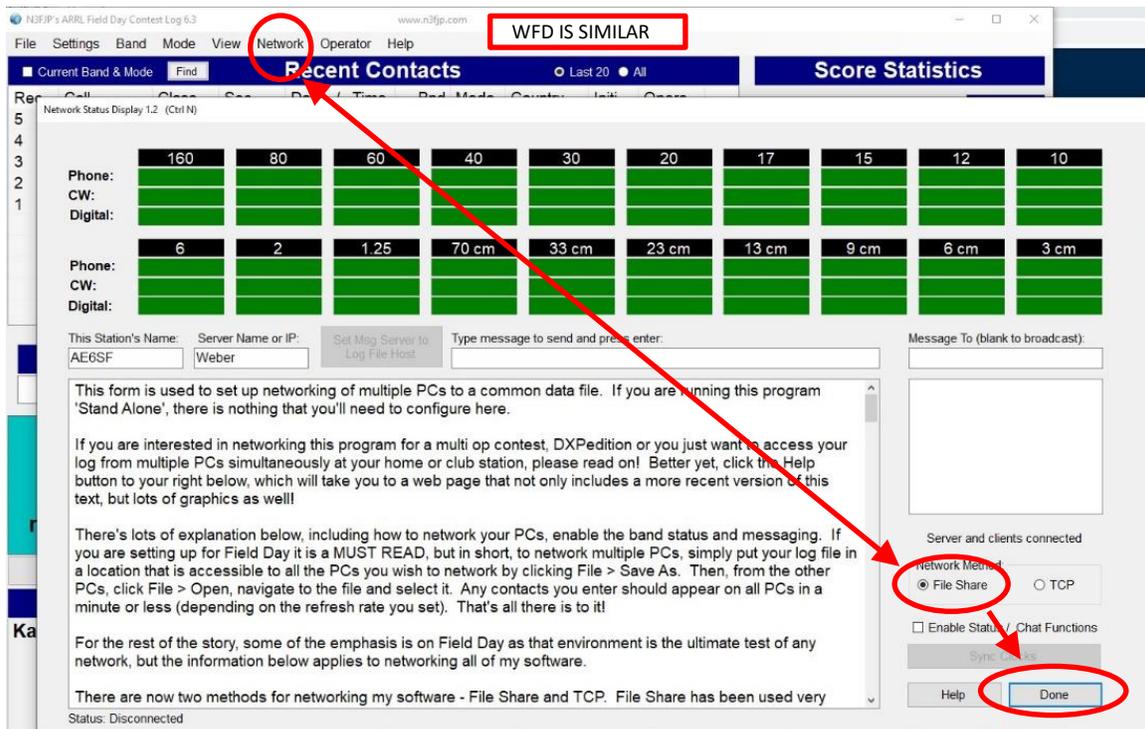


Figure 12 – Settings for Network page.

Click Settings, Web Upload Contest Status, N3FJP HTML Formatted:

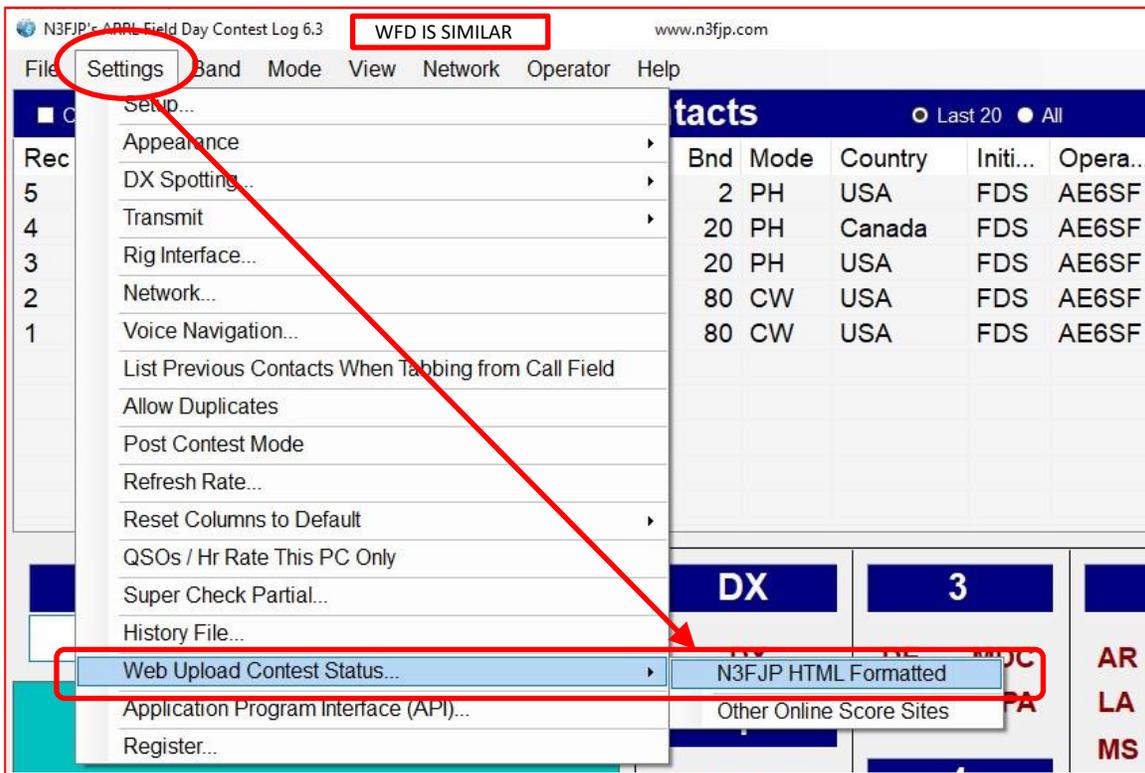


Figure 13 – Accessing the upload page.

Then fill in the values. Upper case and lower case are important:

Web Contest Status Uploader

Call, Club or Group Name (Web Page Title)
 AE6SF WFD Status

Message
 Ex: Your Call / Club Name Field Day Status
 Use to remind folks coming late, bug spray, coax connectors, etc.

**Your CALL, uppercase, no brackets, e.g.:
 AE6SF WFD Status**

Upload web page to the following site:
 FTP URL of Your Hosting Site (Ex: ftp://yoursite.com/)
 ftp://fredee.com/

ftp://fredee.com/ (include trailing "/")

Your Hosting Site User Name
 ham@fredee.com

ham@fredee.com

Your Hosting Site Password

USBsimplex

File Name on Website
 [call].html

Forecolor: Black Backcolor: LightBlue Passive Mode

Create text file for packet
 Location to Save Text File for
 C:\Users\Us\Documents\Affirmatech\N3FJP Software\

Your call.html , lower case, no brackets

Click Upload Now...

Upload Frequency in Minutes (3 is default)
 3

Recent Contacts to include (10 is default)
 10

Include Score Statistics (R)
 Include Current Frequency
 Enable Automatic Upload

... and check Status for success. Then click Done.

Upload Now

View Packet File

Other Online Sites

Done

Status

Figure 14 – Settings for the upload page.

After performing the above steps, review your individual file at: <http://fredee.com/ham/call.html> where call.html is your call sign, lower case, with html appended. See Figure 11 for an example.

Next step: Contact me (Fred AE6SF) via email, text, phone or radio with your call sign upon success and I will configure the *N3FJP Club Score Processor* to include your data on the club summary page. If you do not contact me, but do upload your file, I will eventually discover it and do the needed configuring, just not in a timely manner. I can be reached at wfdlogger@fredee.com.

Practice Logging, Then Clear the Log and Have Fun Operating on (Winter) Field Day
 Practice logging by entering several fictitious QSOs on the main page (Figure 8). For each QSO, place a call sign into the Call box, class (e.g. 1E) into the Class box, and section (e.g. CT for Connecticut) into the Section box, then press Enter to create the record. The QSO will show as the next sequential record.

You may trigger the program to do an early upload by navigating to the upload page (Figure 14) and clicking Upload Now. Assuming the *N3FJP Club Score Processor* is running, your results should appear on the summary status page (Figure 10) within three minutes. That page is accessed here:

<http://fredee.com/ham/scra.html>

Important: Clear your log data prior to Winter Field Day, specifically before 11:00 a.m. PDT on Saturday January 30, 2021. The easiest way is to select “File, New, Start a New Contest with the Current Database File” and kiss your data goodbye:

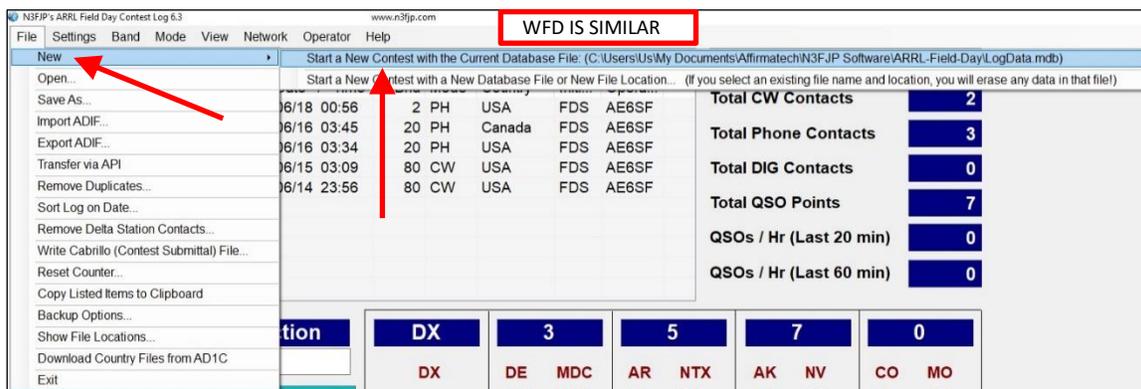


Figure 15 – Clearing QSO data prior to start of Field Day.

Have fun on Winter Field Day. Making contacts is a lot of fun. Make and log as many QSOs as you can during the 24-hour event (or 27-hours, see rules). I hope to hear you on the air.

Submit Your QSO Data after the Event

Send your QSO data to the WFDA and to Brian N6IYY. There are four steps:

1. Run the Logger to generate a Cabrillo file
2. Run the logger to generate an ADIF file (aka ADI file)
3. Send the Cabrillo file to WFDA
4. Send both the Cabrillo file and the ADIF file to Brian N6IYY

Step 1. Run the Logger to generate the Cabrillo file.

Click “File”, then “Write Cabrillo (Contest Submittal) File” as shown at right. A new form will open.

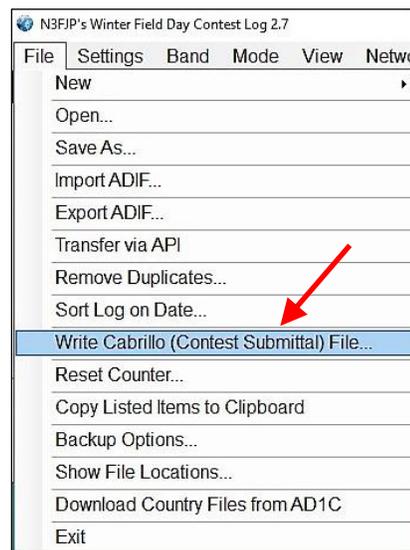


Figure 16 – Generate Cabrillo file, Step A.

Fill in all boxes that do not say OPTIONAL. The OPTIONAL boxes are not specified as required in the WFD rules, but you may fill them at will. Fill specific boxes as follows:

- Operators: Your callsign and callsigns of any guest operators
- Club Name: Sonoma County Radio Amateurs (IMPORTANT: SPELL THE NAME EXACTLY)
- Callsign: Your callsign
- Location: City, State e.g., SANTA ROSA, CA

Figure 17 – Generate Cabrillo file, Step B.

Remember where the file is stored. It will (should) have a filename like AE6SF.log, except using your call sign under which you operated during the contest. This file is the “Cabrillo” file to be sent.

Step 2. Run the Logger to generate the ADIF file.

Click “File”, then “Export ADIF...”, as shown at right, then change the file name to your [CALL]-WFD.adi and save it, see below:

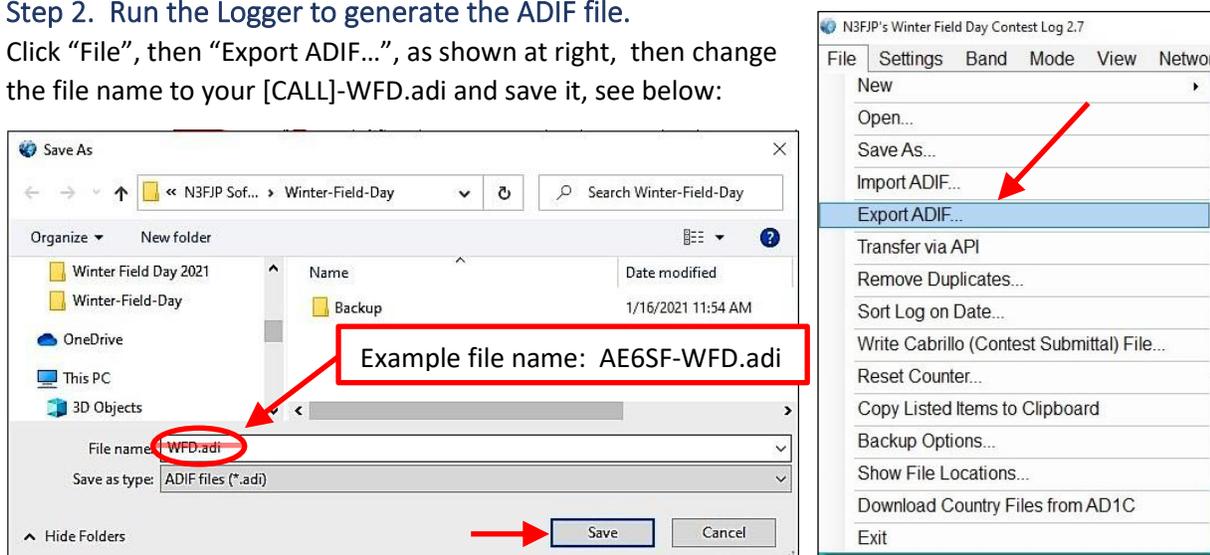


Figure 18 – Generate ADIF file, Step A.

The above file hasn’t been written yet. Another form opens. You may leave the following boxes

unchecked unless a condition in the first paragraph applies. For most of us, leave them unchecked:

ADIF Export Mapping

If you are exporting to another N3FJP contesting program, leave the check boxes below blank. If to AC Log, another general logging program or for upload to LoTW, map the mode appropriately.

Map the primary mode field for export as follows:

All to CW, PH or DIG DIG to RTTY

PH to SSB DIG to PSK31

PH to FM RTTY to DIG

DIG to user specified mode:

Add Station_Call AE6SF (from Setup).

Leave Operator field blank (if value exists).

Replace Operator call with AE6SF (from Setup).

Your power output (optional):

Comment field for each exported QSO record (optional):

WFD

Help Continue

Figure 19 – Write the ADIF file, Step B.

Step 3. Send the Cabrillo file to WFDA.

Email the Cabrillo file [CALL].log (e.g., AE6SF.log) to the Winter Field Day Association (WFDA) per their following instructions. Use the subject line “WFD 2021 Log [CALL]” substituting your call sign:

Logs must be submitted to <mailto:wfda@winterfieldday.com> via email before 0000 UTC March 1st to be considered. Emailed Logs should contain the following in the subject line... "WFD 20XX Log K8XXX" with K8XXX being the callsign you used for the event. Logs MUST be submitted as an attached Cabrillo File, not as an email text.

Step 4. Send both the Cabrillo file and the ADIF file to Brian N6IY.

Email the files [CALL].log and [CALL]-WFD.adi to Brian N6IY at n6iiy@arrl.net . (Example file names: AE6SF.log and AE6SF-WFD.adi)

Conclusion

I hope you had fun! Let’s do it again next year, preferably together, not apart.