

SPARC

Field Day 2024

South Pasadena Amateur Radio Club | W6SPR
June 5, 2024

When Is Field Day 2024?

Start

Saturday, June 22, 11:00 am PDT (1800 UTC)

End

Sunday, June 23, 10:59 am PDT (1759 UTC)

Home Ops 1:59 pm PDT (2059 UTC)



Objective of Field Day

Work as many stations as possible on...

- 160, 80, 40, 20, 15 and 10 meters
- all bands 50 MHz and above (2m, 440)

and learn to operate in less than optimal conditions.



Return to Art Center

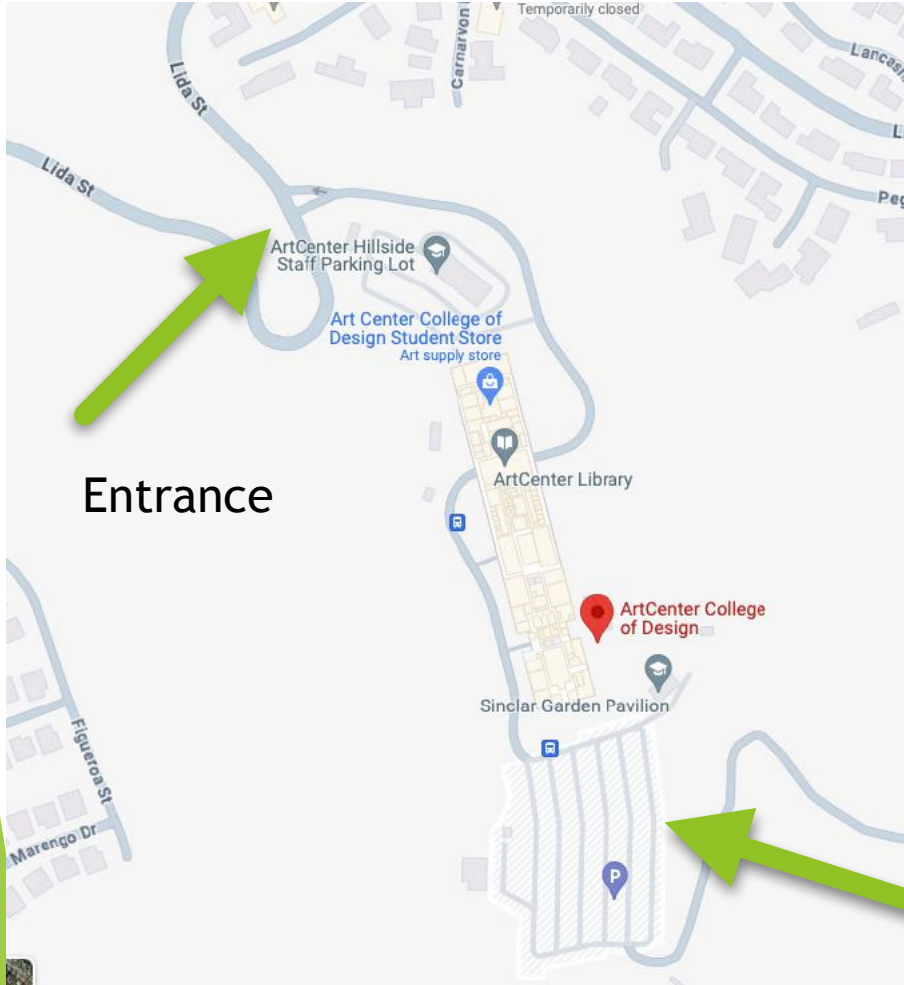
First in-person Field Day organized by PRC
since 2019

Set Up Start Time

Friday afternoon/evening, June 21



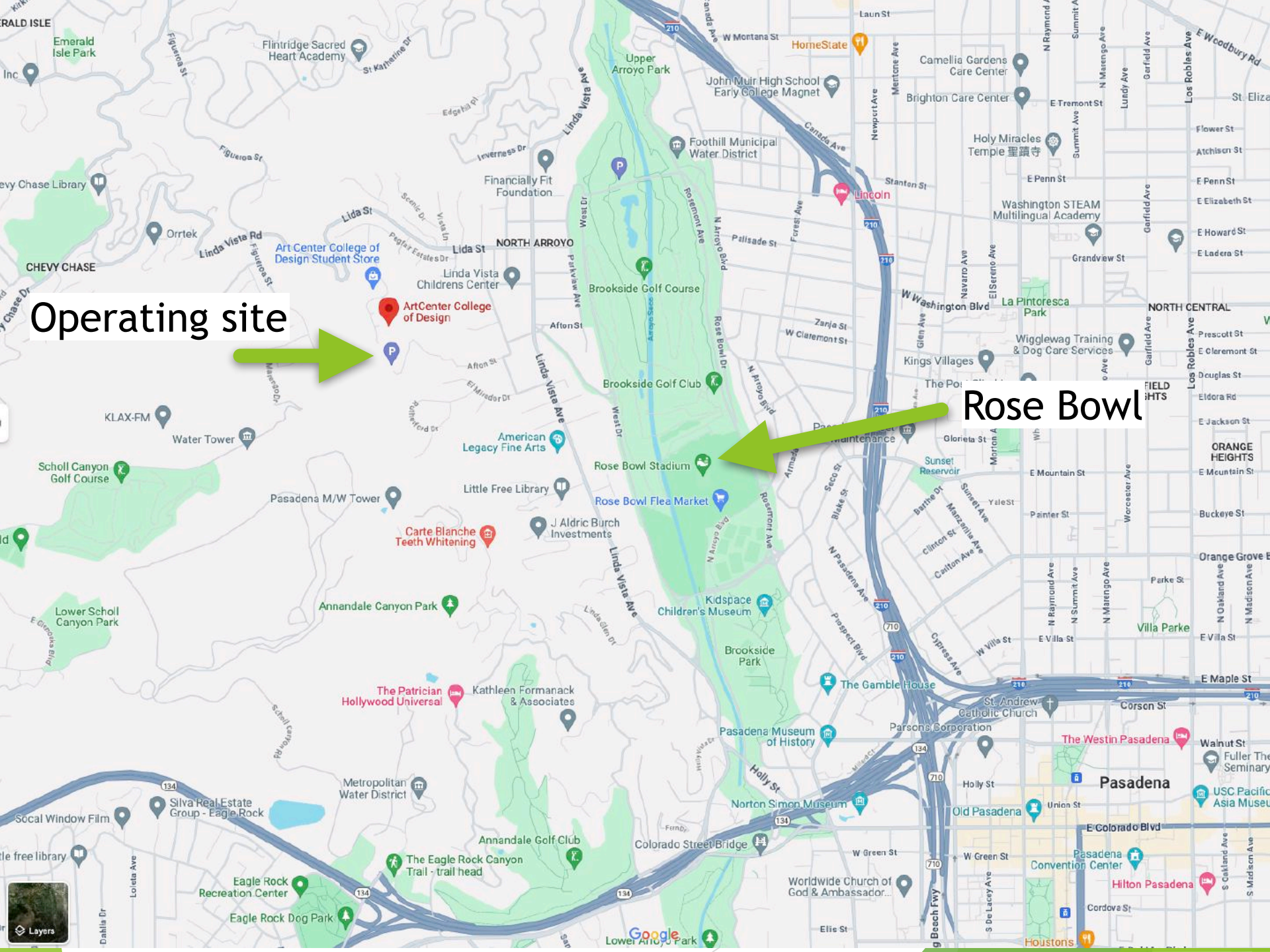
Return to Art Center



Entrance:
1700 Lida St.
Pasadena 91103

34.171019, -118.186897
/// help.rock.vouch

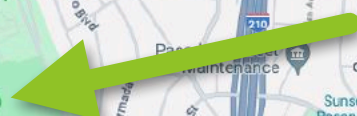




Operating site



Rose Bowl

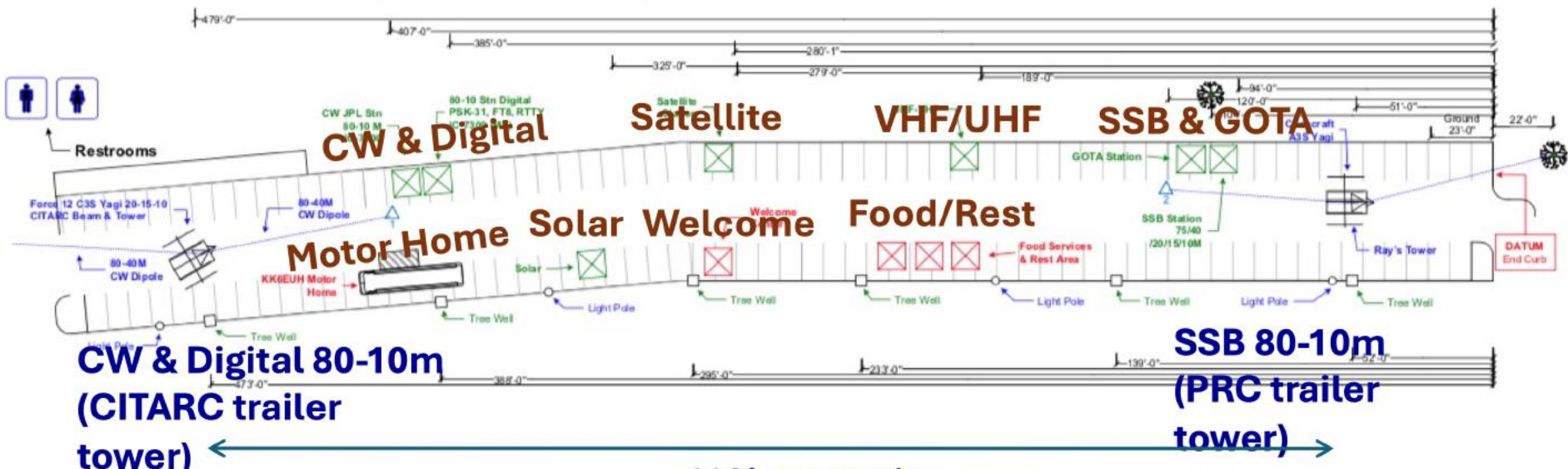


W6KA Field Day Driving Map

Art Center College of Design
Hillside Campus • South Parking Lot
1700 Lida Street
Pasadena, CA 91103



SPARC



~410' separation

ARRL Field Day 2019

Pasadena Radio Club – 3A LAX
 Site Setup Plan v1.0 (01MAY19)
 Art Center College of Design
 1700 Lida Street, Pasadena, CA 91103

ArtCenter
 Art Center College of Design
 Security Contact: Jeff Ruiz
 24/7 Security: 626-396-2299



2019

FD2019 Planning Discussion

X



Operating Class

Our designator will be “2A”

- ▶ Two HF stations
10-15-20 beam
40-80 dipole
- ▶ One “free” VHF/UHF station (that’s us)



SPARC's Role

We are responsible for VHF/UHF
50m+

- Set up
- Operator coordination
- Tear down



SPARC's Role

SPARC members are welcome to work the HF stations — sign-up to come

BUT our primary responsibility is VHF/UHF.



SPARC's Role

SPARC Sign-up Sheets:

southpasradio.groups.io/g/main/files/2024%20Field%20Day

Main page -> Files -> 2024 Field Day



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Drafts

New Poll

Hashtags

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SouthPasRadio | Main / Files





New/Upload ▾

Name ▲


2024 Field Day 6    




Field Day Planning Documents

Simplex Signal Reports 1    

SPARC Net Control Schedule    

Net Control Schedule for Wednesday Nets

SPARC Net Control Script v3.2 SIMPLEX.docx    

SPARC Net Control Script v3.3 TELCO.docx    

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Home **Owner**

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

Admin ▾

Name ^





Messages

ARRL Field Day Web Page    



New Topic

Band Plan    

Drafts





Band Plan Chart.pdf    
Band Plan Chart

New Poll





Equipment List    
Indicate what equipment and supplies you will provide

Hashtags

Chats

Field-Day-Rules.pdf    
2024 Field Day Rules

Subgroups

Operating Schedule    
Indicate which shifts you will work

Directory

Calendar

Photos

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Files

Databases

Wiki

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Limitation

Can only operate one band at a time in order to maintain “free VHF” status.

6m

2m

1.25m

70cm



Field Day Exchange

- ▶ QSO is an exchange of operating class and ARRL section.

W6KA - Whiskey Six Kilo Alpha
(PRC's call sign)

2A LAX - Two Alpha, Lima Alpha X-Ray

- ▶ Keep it short and sweet!





“Run” Exchange [aka “Camp & Call”]

You: If this is your first transmission on this frequency: **“Is this frequency in use? W6KA”**

You: **“Whiskey Six Kilo Alpha, Field Day”**

Other Station: Gives “their call”

Enter “their call” into logging program.

If not a ‘duplicate’, proceed, otherwise ignore.

You: **“their call, three alpha, LAX”**

Other Station: Gives “their report”

Enter “their report” into the logging program.

If you missed something, say “again, again”

You: **“Thanks”, then start over at the top!**





“Search & Pounce” Exchange

Other Station: “Their call”, “Field Day”

Enter “Their call” into the logging program.

If not a “duplicate”, proceed. Otherwise, keep searching.

You: “Whiskey Six Kilo Alpha”

Other Station: “W6KA, Their Exchange Info”

You: Enter “their exchange information” into log

You: “Three alpha, LAX”

Other Station: “Thanks”





GOTA “Run” Exchange [aka “Camp & Call”]

You: If this is your first transmission on this frequency: **“Is this frequency in use? W6SPR”**

You: **“Whiskey Six Sierra Papa Romeo, Field Day”**

Other Station: Gives “their call”

Enter “their call” into logging program.

If not a ‘duplicate’, proceed, otherwise ignore.

You: **“their call, three alpha, LAX”**

Other Station: Gives “their report”

Enter “their report” into the logging program.

If you missed something, say “again, again”

You: **“Thanks”, then start over at the top!**





PRC Logging S/W (1 of 2)

• Entering Operator Information

**Unlicensed GOTA operator
Enters first name & initials**

Operator: AASQI
Initials: JCM

Ready to begin!
Please select your band and mode from the menu options!

Possible Duplicates: Maryland-DC Total = 0

Band: 15 Mode: CW

W6KA 6A LAX 4:58:54 PM 23:58:54 UTC



PRC Logging S/W (2 of 2)

See <http://www.n3fjp.com>

Recent Contacts

Rec	Call	Class	Sec	Date / Time	Bnd Mode	Country	Initials
1	AA6QI	1A	LAX	06:08 23:59	20 CW	USA	JCM

Score Statistics

Total CW Contacts	1
Total Phone Contacts	0
Total DIG Contacts	0
Total QSO Points	2
QSOs / Hr (Last 20 min)	3
QSOs / Hr (Last 60 min)	1

Data Entry Area

Call: AA6 Class: Section:

Message Area

Possible Duplicates: West Pennsylvania Total = 0

All ARRL Sections

1	3	5	7	0
CT RI	DE MDC	AR NTX	AK NV	CO MO
EMA VT	EPA WPA	LA OK	AZ OR	IA ND
ME WMA		MS STX	EA UT	KS NE
NH	4	NM WTX	ID WVA	MN SD
	AL SC		NT WY	
2	GA SFL	6	8	Canada
ENY NNY	KY TN	EB SCV	MI WV	AB NT
NLI SNJ	NC VA	LAX SDG	OH WV	BC ON
NNJ WNY	NFL VI	ORG SP		GA ON
	PR WCF	PAC SJV	9	MAR ON
		SB SV		MB QC
				NL SK

Operating Elsewhere

“Participants from any Class can optionally include a single club name with their submitted results following Field Day.”

W6KA-FD or similar, exact name tbd



Operating Elsewhere

If operating from a location other than Art Center, use your own call and class designator. Classes have two parts:

- ▶ maximum NUMBER of simultaneously transmitted signals
- ▶ LETTER designator indicating nature of station



Class A

- ▶ PORTABLE
- ▶ Three or more persons
- ▶ Not regular station location
- ▶ Independent of commercial power
(or “Class A-Commercial”)



Class A-Battery

- ▶ Same as Class A but...
- ▶ All contacts made using 5 Watts or less
- ▶ No commercial power or motor-driven generator
- ▶ Batteries, solar cells, water-driven generators, etc.

Class B / Class B-Battery

- ▶ ONE OR TWO PERSON PORTABLE
- ▶ One and two person Class B entries are listed separately.

Class C

- ▶ MOBILE
- ▶ Stations in vehicles capable of operating while in motion and normally operated in this manner
- ▶ Includes maritime and aeronautical

Class D

- ▶ HOME STATIONS
- ▶ Permanent station location
- ▶ Commercial power
- ▶ May count contacts made with other Class D stations.
Now a permanent rule!



Class E

- ▶ HOME STATIONS - EMERGENCY POWER
- ▶ Otherwise same as Class D
- ▶ May work all Field Day stations



Miscellaneous Rules

- ▶ Can't call your own station
- ▶ Only work stations once per band per mode
- ▶ No cross-banding except satellites
- ▶ Only one transmitter at a time per band-mode
- ▶ Only simplex/digital – NO REPEATER CONTACTS



Affiliation Rules

- ▶ Can't call your own station
- ▶ Must use your PERSONAL call (not W6KA)
- ▶ One call sign per transceiver except family members with different calls



Scoring

- ▶ Phone contacts = 1 point each
- ▶ CW contacts = 2 points each
- ▶ Digital contacts = 2 points each



Logging

- ▶ Paper and pencil log sheet:



Field Day Log

page _____ of _____

Call Used

Exchange Sent

Frequency	Mode	Date	Time (UTC)	Station Worked	Exchange Received

<http://www.arrl.org/files/file/Field-Day/2019/2019%20FD%20Log%20Sheet.pdf>



Logging via Computer

- ▶ N3FJP
Free for 30 or fewer contacts / \$8.99 full unlock
<http://n3fjp.com>
- ▶ N1MM+ (free)
<https://n1mmwp.hamdocs.com>
- ▶ QRUQSP (free)
<https://qrupart.org>
- ▶ RUMlog (free, macOS)
<https://dl2rum.de/rumsoft/RUMLog.html>



Submission Form



FIELD DAY 2022

[ARRL Home](#)[Field Day Home](#)[Field Day Resources](#)[Field Day Locator](#)[Rules](#)[Entry Form](#)[Entries Received](#)[Results](#)[Soapbox](#)

2022 Field Day Entry - Introduction

To submit your entry for Field Day, you'll need both the data that describes your entry and any required bonus point documentation. Although the bonus point documentation can be submitted at a later time, it's recommended that you submit both at the same time.

Data Entry. You'll need all of the info that describes your entry:

- Call used and GOTA station call
- Entry class, number of participants, list of operators
- Power source and multiplier
- Claimed bonus points
- QSO totals by band and mode
- GOTA operators and QSO totals

Upload Documents. If you elect to upload required documents at this time, you'll need files for the following:

- Cabrillo log or list of stations worked by band/mode (dupe sheet)
- Required documentation for bonus points

[Go To Data Entry](#)

Send comments or questions about this page to [ARRL Contest Manager](#).
Version: 1.9.0, Revised: August 19, 2021
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<http://field-day.arrl.org/fdentry.php>



Selected Bonus Options

- ▶ Message to Section Manager
- ▶ Satellite QSO
- ▶ Alternate Power
- ▶ Copy [W1AW Bulletin](#)
- ▶ Youth QSO (18 and under)
- ▶ Social Media: single post does not count!
- ▶ Submitting log online



Power Level Multipliers

- ▶ If all contacts are made using 5 Watts or less using no commercial mains or generators, multiply score by 5.
- ▶ If all contacts are made using 5 Watts or less, but with commercial mains or generators or batteries charged by either, multiply score by 2.
- ▶ If all contacts made using no more than 100 Watts, multiply score by 2.



Elmers

Don't be afraid to ask for help!

contest@southpasradio.org



Submitting to ARRL

- ▶ <http://field-day.arrl.org/fdentry.php>
- ▶ Due by July 23
- ▶ Affiliate with
“W6KA-FD” *or equivalent to be announced*
- ▶ Results will be published in QST Magazine
- ▶ Send proof of submission to SPARC and PRC for special recognition



More Information

- ▶ [Video on N3FJP](#)
- ▶ [QST article on club contesting](#)
- ▶ [DX Zone Guide to QSL Card Software](#)



Scratching the Surface

These slides are no substitute for reading the rules yourself.

And there are a lot of rules.



Field Day Rules

[Field Day Home](#) | [Facebook Group](#) | [Field Day T-shirts & Gear](#) | [Join ARRL](#)

ARRL Field Day 2024 Rules

A downloadable PDF version of the ARRL Field Day Rules is available [here](#).

Revised 3/14/2024

1. Eligibility: Field Day is open to all amateurs in the areas covered by the ARRL/RAC Field Organizations and countries within IARU Region 2. DX stations residing in other regions may be contacted for credit and may submit entries as check-logs.

2. Object: To work as many stations as possible on the 160-, 80-, 40-, 20-, 15- and 10-meter HF bands, as well as all bands 50 MHz and above, and in doing so to learn to operate in abnormal situations in less than optimal conditions. A premium is placed on developing skills to meet the challenges of emergency preparedness as well as to acquaint the general public with the capabilities of amateur radio.

3. Date and Time Period: ARRL Field Day 2024 is June 22-23. *Field Day is ALWAYS the fourth full weekend, beginning at 1800 UTC Saturday and ending at 2059 UTC Sunday.*

3.1. Class A and B (see below) stations that do not begin setting up until 1800 UTC on Saturday may operate the entire 27-hour Field Day period.

3.2. Stations who begin setting up before 1800 UTC Saturday may work only 24 consecutive hours, commencing when on-the-air operations begin.

3.3. No class A or B station may begin its set-up earlier than 0000 UTC on the Friday (Thursday afternoon or evening local time) preceding the Field Day period. Cumulative set-up time shall not exceed a total of 24 hours.

4. Entry Categories: Field Day entries are classified according to the maximum number of simultaneously transmitted signals, followed by a designator indicating the nature of their individual or group participation. The minimum number of transmitters that must be claimed is one (1). Twenty (20) transmitters maximum are eligible for the purpose of calculating bonus points (2,000 points maximum). However, additional transmitters which may legitimately be used simultaneously will determine your entry category classification, but will not earn additional bonus points (i.e. 22 transmitters = 22A). The use of switching systems that allow for lock-outs in order to use multiple transmitters (i.e., an “octopus”) in an attempt to enter a lower-number-of-transmitters class are prohibited (i.e. using 2 transmitters that can transmit simultaneously, with two operators, and a lock-out system and entering class 1A). The use of simulcasting devices which allow a single operator to key and transmit on more than one transmitter at a time, is prohibited. **Bonus stations, such as the GOTA station and satellite station do not count towards determining the number of transmitters for the class and do not qualify for transmitter bonus points.**