

AARC

Field Day

Jun 28-29 2025

ARRL FIELD DAY

RADIO 
CONNECTS



FD  **25**

JUNE 28-29

GOTA

**GET
ON**



**THE
AIR**

FIELD DAY

Jeff Schmidt N5MNW
AARC Mtg 3 June'25



1916

2025

AARC

109 YEARS

AUSTIN AMATEUR RADIO CLUB

W5KA/K5LBJ opening ceremony 1300 CDT
Seeking Willing Volunteer(s)
to flip (totally-safe this time, I promise...)
“ON THE AIR” switchover!

W5KA/K5LBJ



ON THE AIR
W5KA/K5LBJ



AARC's Facebook page to be used to communicate what/when/where

facebook

SEARCH



The Austin Amateur Radio Club, Inc.
Non-Profit Organization

QSL card design- JP KG5ZZB



W5KA W5TQ
W50EM
TEXAS
TEXAS

AUSTIN AMATEUR RADIO CLUB

P0 Box 4739, Austin TX 78765

Keeping Austin Wireless since 1919

CONFIRMING QSO WITH	DATE			UTC	MHZ	RST	MODE 2-WAY
	DAY	MONTH	YEAR				

100th Anniversary Special Edition QSL Card

FD station classifications

3

|

A

|

STX

● Number of Main HF transmitters (3)

● A= Club at temporary location (AARC At Holy Cross)

B= 1-2 Person Portable

C= Mobile Station

D= Home Station w/ Commercial power

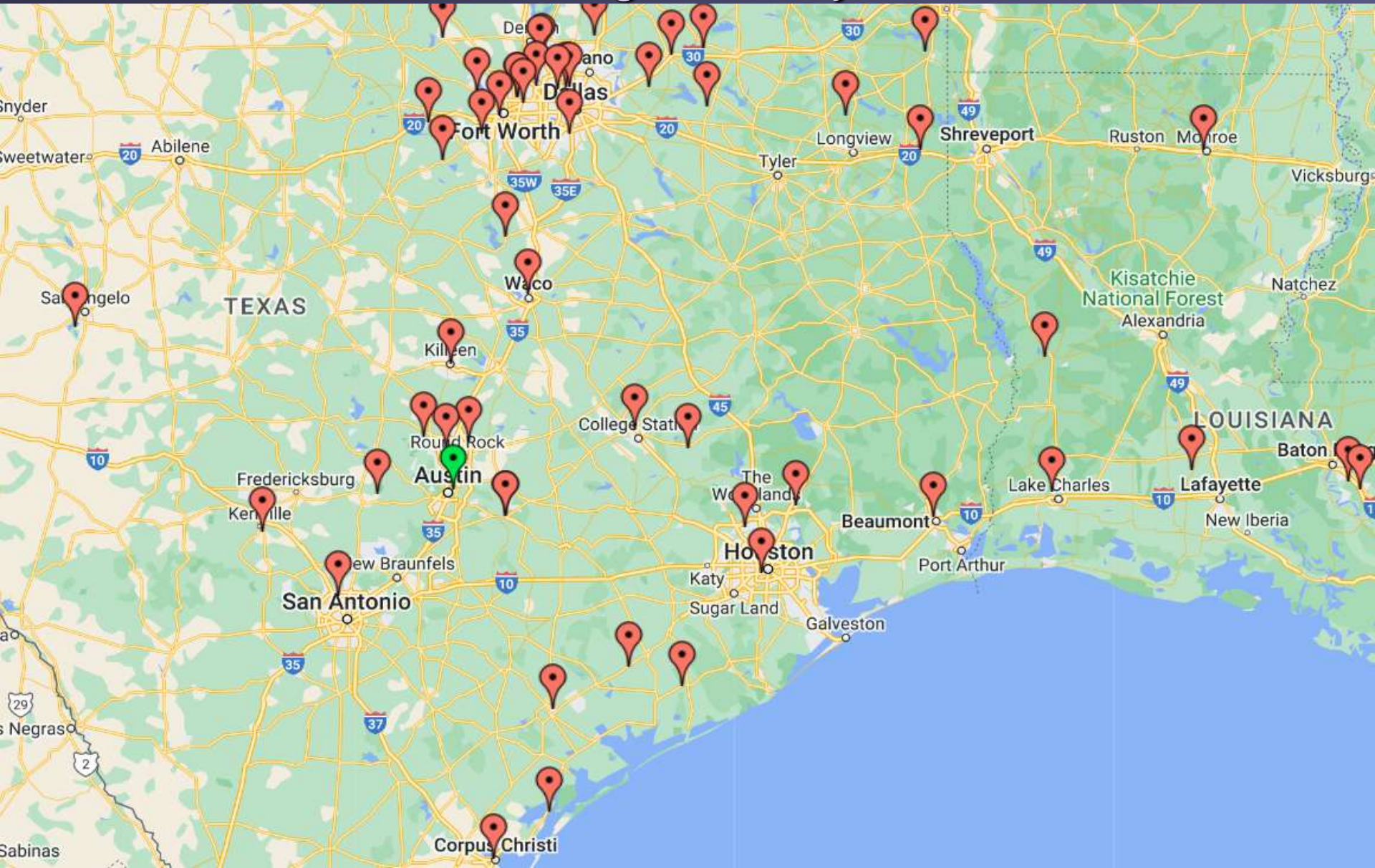
E= Home Station w/ Emergency power

F= Emergency Operations Center

● ARRL Section (STX - South Texas)

ARRL's Field Day Locator page:

www.arrl.org/field-day-locator



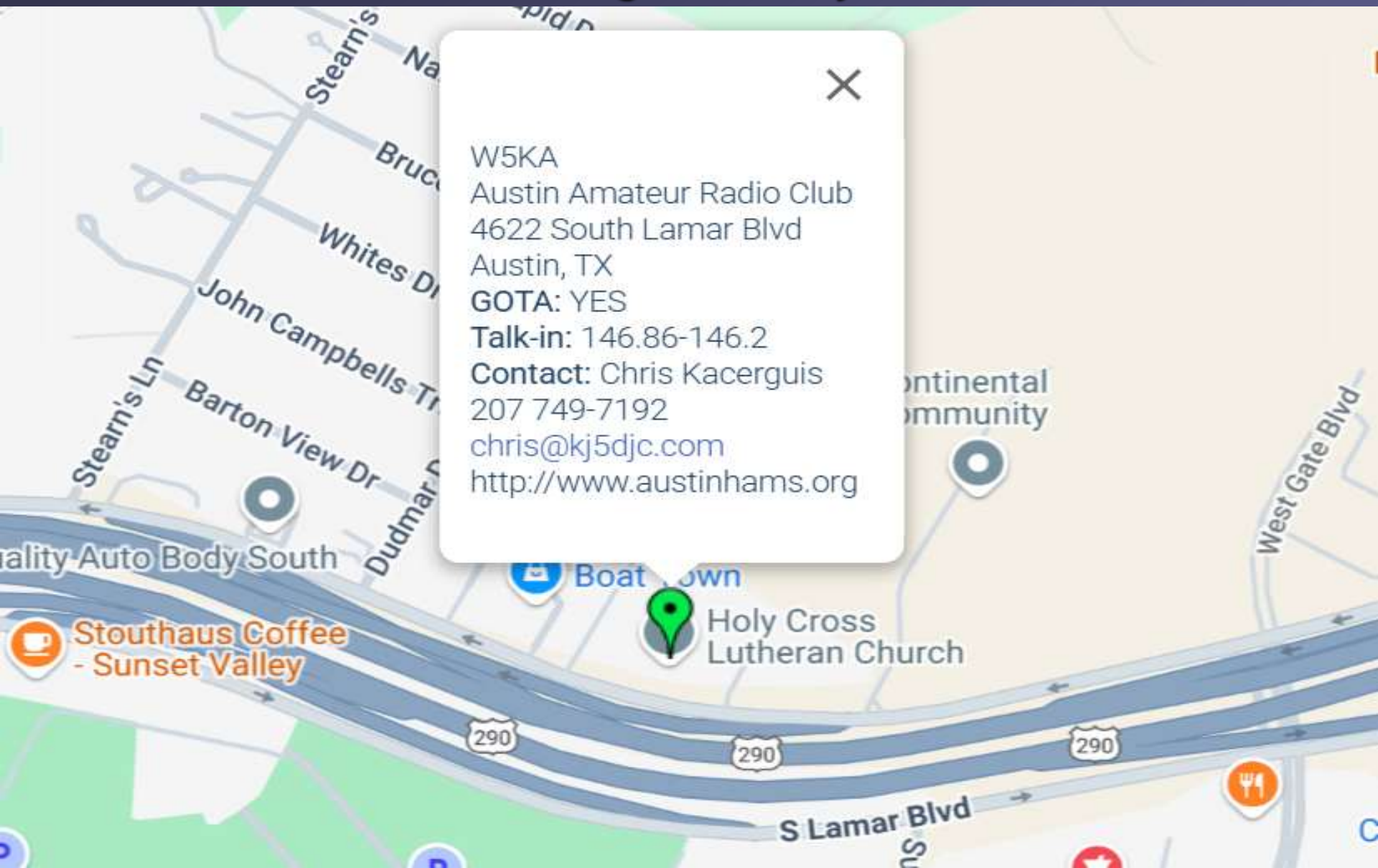
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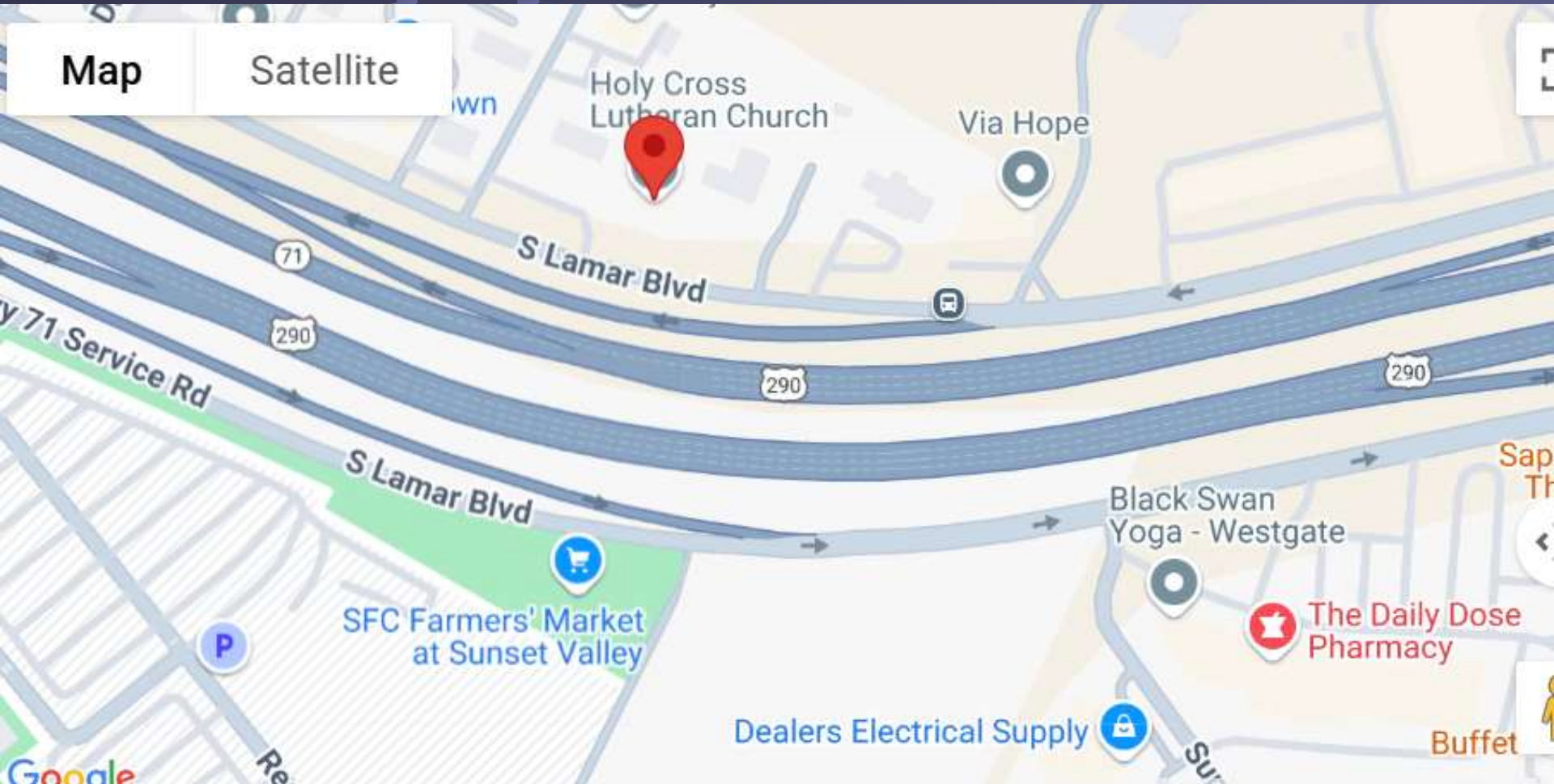
www.arrl.org/field-day-locator



W5KA
Austin Amateur Radio Club
4622 South Lamar Blvd
Austin, TX
GOTA: YES
Talk-in: 146.86-146.2
Contact: Chris Kacerguis
207 749-7192
chris@kj5djc.com
<http://www.austinhams.org>

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N5MNV

VHF/UHF and “High Band”
Station Captain

A legend in his
own mind...



Trailer Mounted Rohn 25G Foldover (VHF-UHF/ High-band HF Station)





Added mechanical
nose lockdown
to 25G mounting

Allows “no-guyline”
deployment!

Trailer-mounted hinge-up prepping

20' rotatable mast hosts 6m, 2m, 70cm beams

As well as 2m & 6m omnidirectional antennas



Main HF-6m SSB rig ICOM IC-7300



Main 2m/70cm SSB rig ICOM IC-9700



Main Digi/FT-8 Radio

(All Band/Mode capable but 15,10, 6m digi focus)



Broadband Hamnet Group- Awesome IT Support

802.11 2.4GHz Wireless MESH Network

Database Support of N3FJP

FD Logging Software

Chris KJ5DJC will deploy these
but can use helping hands!



WSJT-X FT8/Digi Software

<https://wsjt.sourceforge.io/wsjt.html>

WSJT-X - Wide Graph

WSJT-X v2.6.0 by K1UT et al.

File Configurations View Mode Decode Save Tools Help

Band Activity

UTC	dB	DT	Freq	Message
131330	6	-2.2	2562	UV1T F5SJR IN87
131330	-13	0.1	1763	CQ F4JGI IN94 France
131330	-14	0.1	2735	HS8AFA HZ15F LL34
131330	-6	0.2	2149	CQ SA0POW J099 Sweden
131330	-2	0.1	1448	CQ URSUX K050 Ukraine
131330	-13	0.2	1954	SV1GSP BX5AA RR73 Taiwan
131330	-14	0.1	452	CQ DX F4HRG IN87 France
131330	-13	0.1	1077	N3IZ EA7LU -05
131330	-10	-0.9	808	C6AGU F4HRU JN07
131330	-11	0.1	2624	UA6AHR DF1KW R+10
131330	-19	0.1	2716	OESEIN OV1T -09
131330	-16	0.3	1980	PD2GCM G3DR -10
131330	-16	0.0	484	IZ8PPI F5RMK 73 France
131330	-13	0.1	550	DL2BS HA1VG JN87
131330	-17	0.1	543	N0FW PD2SHB J021
131330	-21	-0.0	2091	CQ E4LEAS IN70 a7 Spain
131330	-5	-0.2	1129	CQ R78L LN05 a7 EU Russia
----- 20m -----				
131345	7	0.1	2416	CQ ES1KK K029 Estonia
131345	6	0.2	1137	F6ARS HA3PT R+14
131345	6	-0.1	2680	RC1BP <UE23NY> -12
131345	16	0.2	1897	VU2RS LY3AB K005
131345	2	0.1	2624	DF1KW UA6AHR RR73 EU Russia
131345	2	0.2	1215	YC1LIN SV1FA KM18
131345	3	0.4	1084	DK1AN EA3IGB -05
131345	2	0.1	2251	E74K YO2NAA KN05
131345	5	0.2	648	CQ DX LA62FA J059 Norway

Rx Frequency

UTC	dB	DT	Freq	Message
131030	-13	0.1	1584	JE6WKY DU3CO RR73 Philippines
131055	Tx	2242	-	DU3CO DG2YCB J042
131130	-14	-0.1	1574	C6AGU DL6ZFG -18
131130	-17	0.2	1584	JK3DJX DU3CO -14
131200	-18	0.4	1584	JK3DJX DU3CO RR73 Philippines
131200	-18	-0.1	1574	C6AGU DL6ZFG -18
131230	-11	-0.1	1574	C6AGU DL6ZFG -18
131230	-18	0.2	1585	CQ DU3CO PK04 Philippines
131245	-18	0.8	1575	N9TF C6AGU 73 Bahamas
131330	-20	0.1	1585	VR2ZDA DU3CO -09

CQ only
 Log QSO

 Menus

20m S 14,074 000

H DX Call DX Grid

FT8 DU3CQ

FT4

MSK

Q65

JT65

2022 Dez 29
13:13:57

Tx even/1st Hold Tx Freq

Tx 2160 Hz

Rx 1584 Hz

Report -13

Auto Seq CQ: None

Generate Std Msgs

Next	Now	Pwr
DU3CQ DG2YCB J042	<input checked="" type="radio"/>	Tx 1
DU3CQ DG2YCB -13	<input type="radio"/>	Tx 2
DU3CQ DG2YCB R-13	<input type="radio"/>	Tx 3
DU3CQ DG2YCB RR73	<input type="radio"/>	Tx 4
DU3CQ DG2YCB 73	<input type="radio"/>	Tx 5
CQ DG2YCB J042	<input type="radio"/>	Tx 6

Receiving DG2YCB FT8 13 12/15 WD:3m

Hoping for lots of 15, 10 & 6m FT8!

Received Log:

Time	From	Message
14:31:15	CG 2K K4MM K1.91	
14:31:40	CG 2D W8STX K2.01	
14:31:45	CG 2K K4MM K1.91	
14:31:55	CG 1K K4MM K1.91	
14:32:10	CG 1U W8STX K2.01	
14:32:15	CG 2K K4MM K1.91	
14:32:25	CG 1D W8STX K2.01	
14:32:35	CG 2U W8STX K2.01	
14:32:45	CG 2U W8STX K2.01	

Transmitted Log:

Time	To	Message
14:35:00	Tx	1782 - W8KVR WSKA 4A STX
14:35:30	Tx	1782 - W8KVR WSKA 4A STX
14:36:00	Tx	1782 - W8KVR WSKA 4A STX
14:36:30	Tx	1782 - CG 1D W8STX K2.01
14:37:00	Tx	1782 - CG 2D W8STX K2.01
14:37:30	Tx	1782 - K848C WSKA R 4A STX
14:38:00	Tx	1782 - K848C WSKA R 4A STX
14:38:30	Tx	1782 - K848C WSKA R 4A STX

Control Panel:

50.313 000

2019 Jun 23 14:38:41

Generate Std Msgs:

- K848C WSKA EM10
- K848C WSKA AA STX
- K848C WSKA R 4A STX
- K848C WSKA R 6A STX
- K848C WSKA 7S
- CG 1D WSKA EM10

Hoping to see some of this!

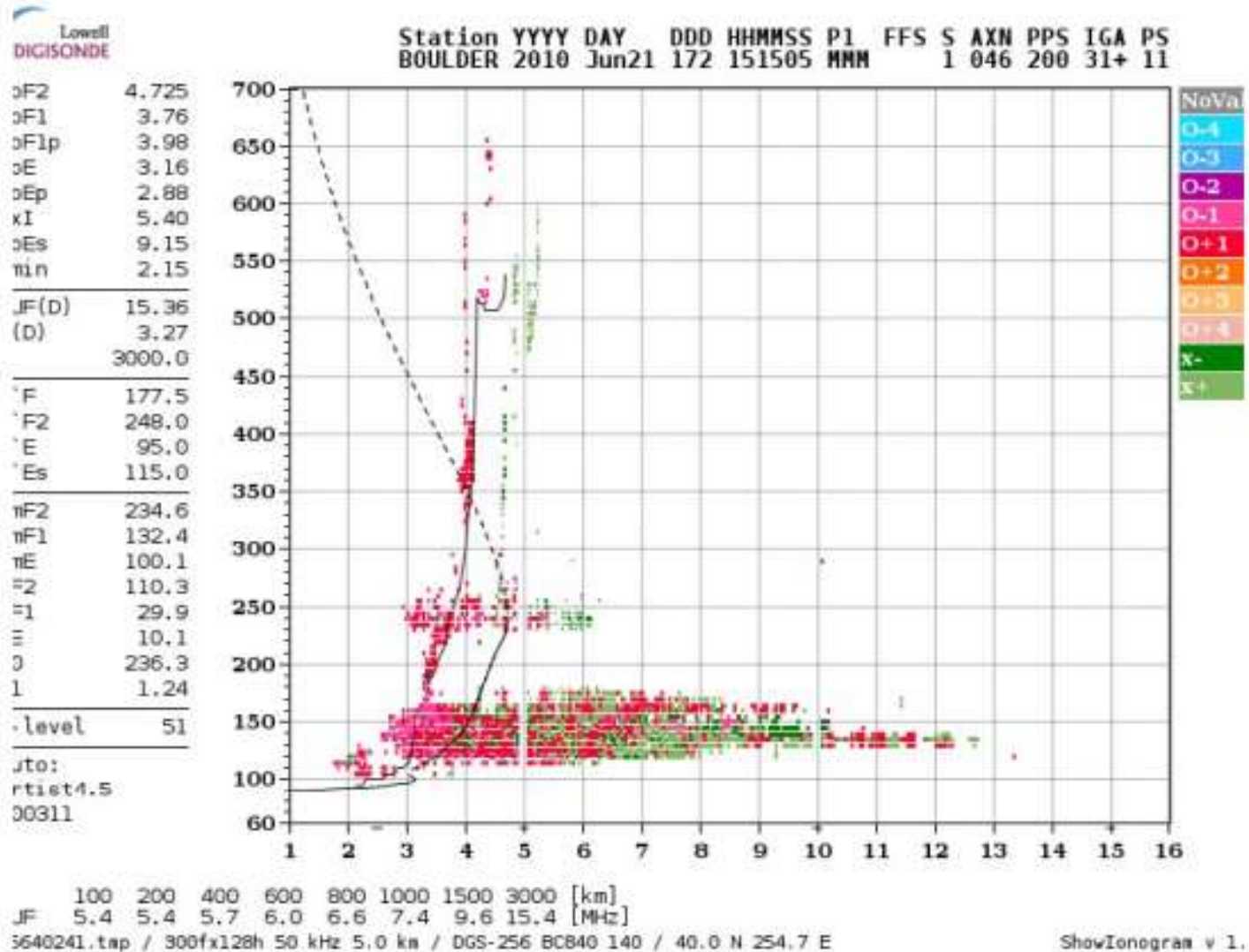
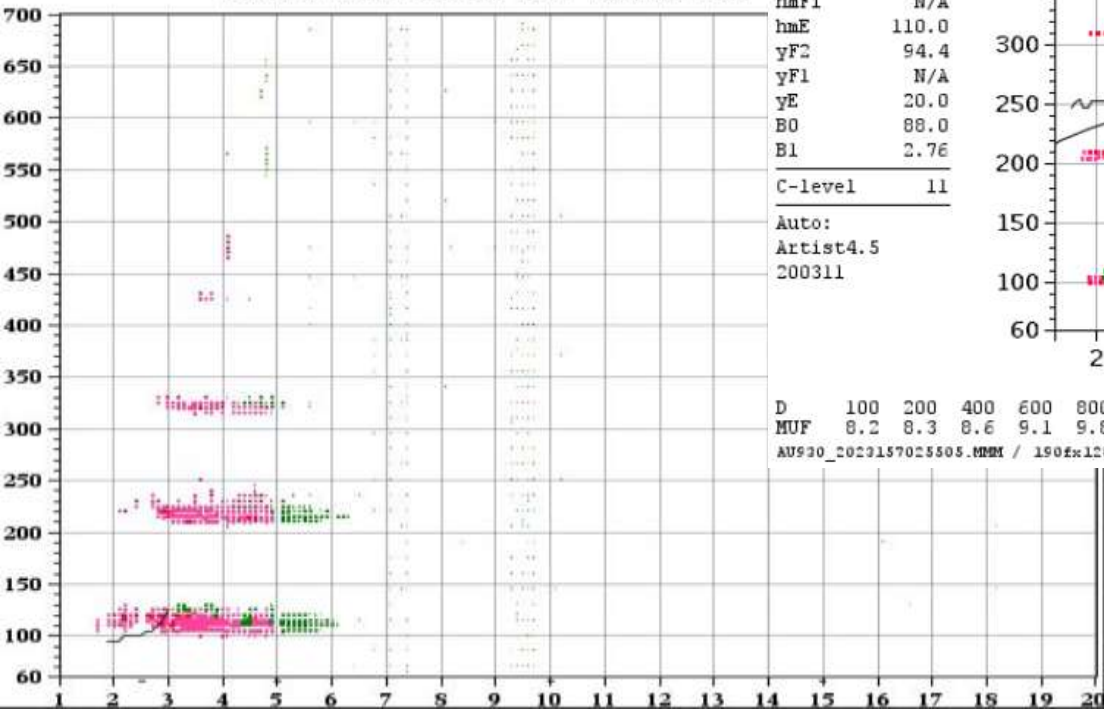


Figure 5. Ionogram from Boulder Colorado on 21 June 2010 measured by a Digisonde which shows the strong sporadic-E layer around the 100 km altitude (<https://ulcar.uml.edu/DIDBase/>).

Or This...

These “stairs”
indicate E-
layer activity,
6m opening!

Statio YYYY DAY DDD HHMMSS P1
AUSTIN 2018 Jun24 175 140005 MMM



Lowell
DIGISONDE

foF2	7.600
foF1	N/A
foFlp	N/A
foE	N/A
foEp	0.47
fxI	8.40
foEs	4.70
fmin	1.40
<hr/>	
MUF(D)	21.46
M(D)	2.82
D	3000.0
<hr/>	
h'F	248.0
h'F2	N/A
h'E	N/A
h'Es	91.0
<hr/>	
hmF2	335.8
hmF1	N/A
hmE	110.0
yF2	94.4
yF1	N/A
yE	20.0
B0	88.0
B1	2.76
<hr/>	
C-level	11

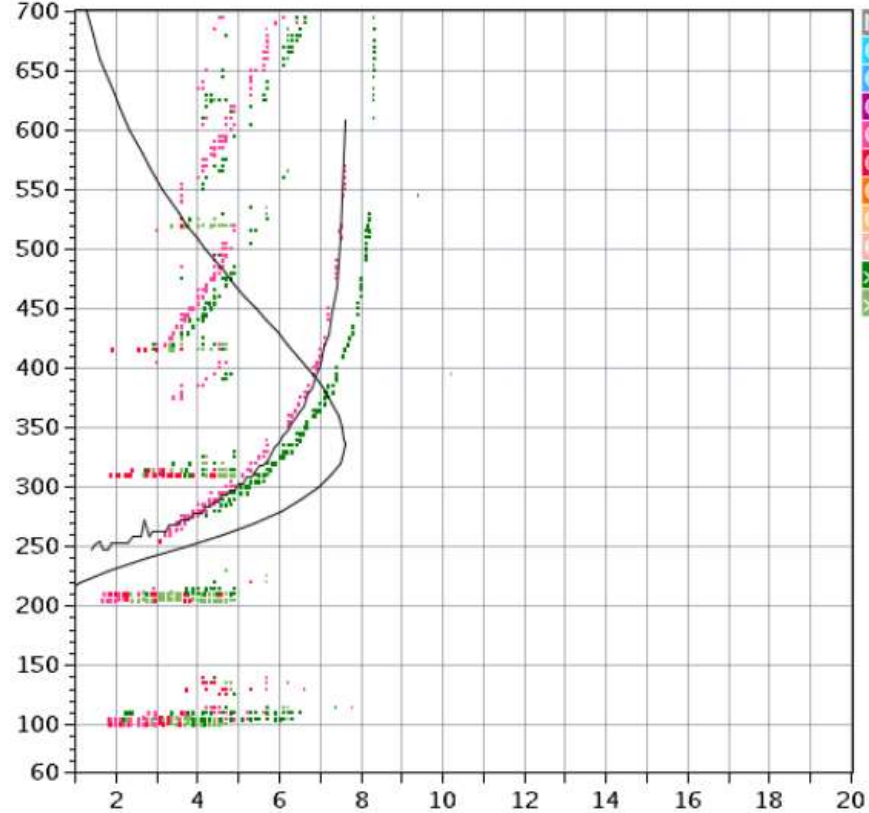
Auto:
Artist4.5
200311

D 100 200 400 600 800 1000 1500 3000 [km]
MUF 8.2 8.3 8.6 9.1 9.8 10.8 13.8 21.5 [MHz]

AU930_2023157025505.MMM / 190fx120h 100 kHz 5.0 km / DG9-256 AU930 130 / 30.4 H 262.3 E

IonDPng v. 1.2.1

Statio YYYY DAY DDD HHMMSS P1 FFS S AXN PPS IGA PS
Austin 2023 Jun06 157 025505 MMM 1 045 100 33+ A1



NoVal
0-4
0-3
0-2
0-1
0+1
0+2
0+3
0+4
x-
x+

It can be –crowded- !



Lew W5IFQ at the K5LBJ GOTA station



TCARES Trailer: A/C Power, HF Voice & Digital, “Talk-In” NCS



Practical Application Demos

RF Effects in Coax

Soldering RF connectors

Measuring Coaxial cable loss

Hands-On E/M demos

Any Requests?

Questions?

🌐 I'm Sure I Missed Something...



END