

Santa Fe ARES

February 4, 2026

Ron Nelson NR50N



SFARES Meeting February 4, 2026

- Agenda
 - Status updates
 - Committees - please consider joining one of interest to you
 - Technical - Winlink/Packet
 - Membership/Engagement
 - Communications/Outreach
 - Mentoring/Licensing
 - Fundraising
 - Others as interest dictates
 - Winter Field Day - results
 - Upcoming Events

Status



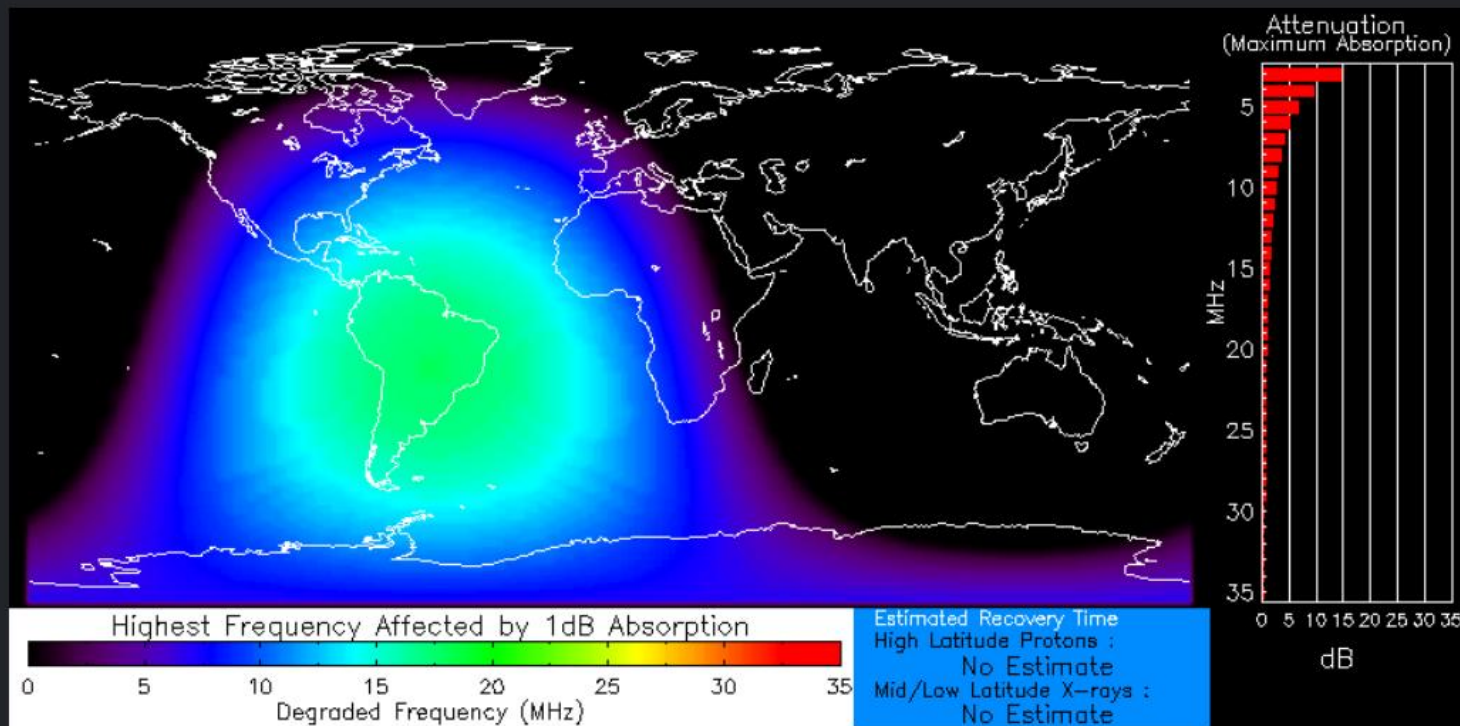
- Repeaters (analog)
 - St Vincent Hospital repeater – working well
 - Tesuque Peak repeaters working - noise/interference issues at times
 - Elk Mtn UHF link is down
 - Pajarito 145.19 is working well
 - Chama - working
- Jan. 28 Radio Net – St Vincent repeater 9 check-ins
- Propagation – HF generally good, but solar flares!

Recent Solar Flare Activity

<https://www.spaceweatherlive.com/en/solar-activity/solar-flares.html>

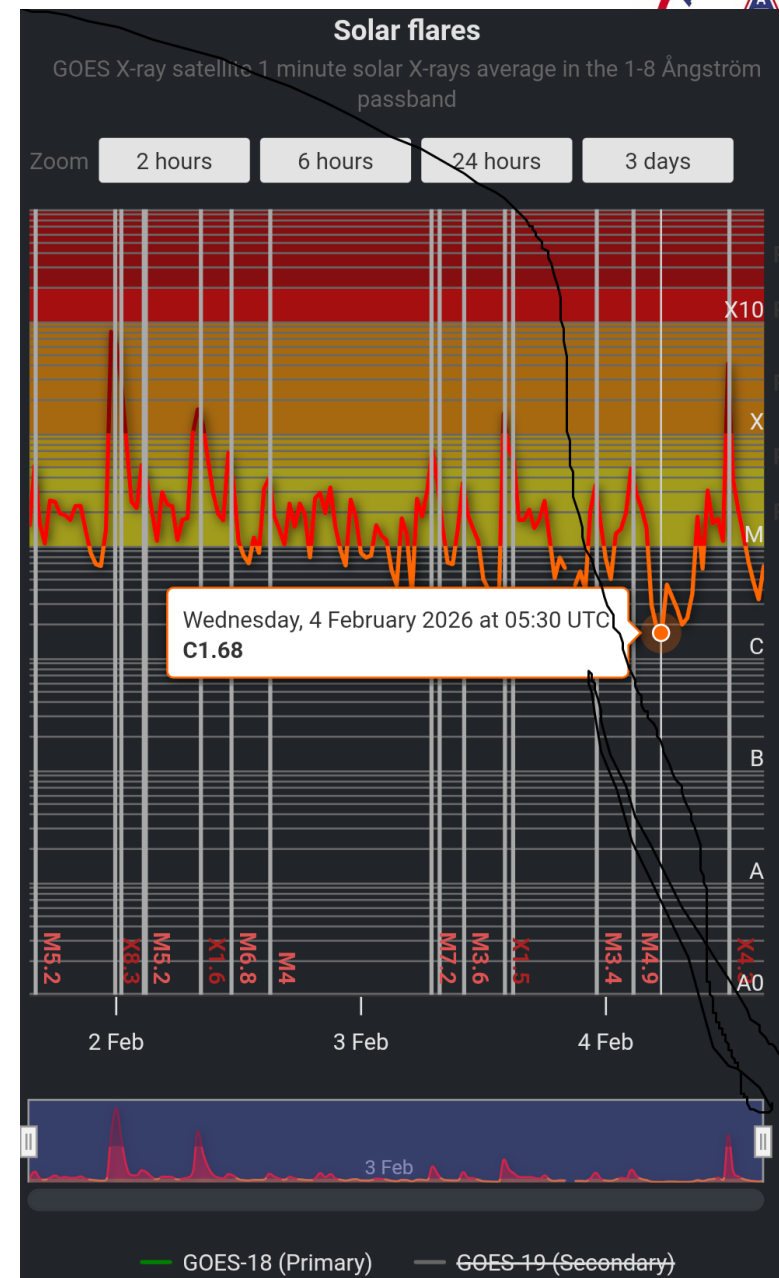
Or <https://www.spaceweather.com/>

Radio Blackout



Minor X-ray flux
Product Valid At : 2026-02-04 15:35 UTC

Normal Proton Background
NOAA/SWPC Boulder, CO USA



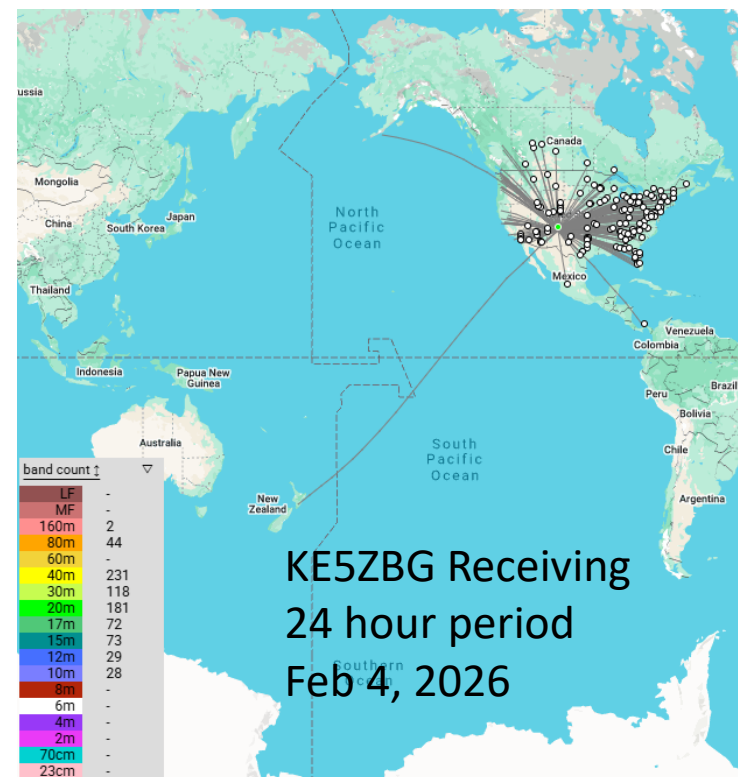
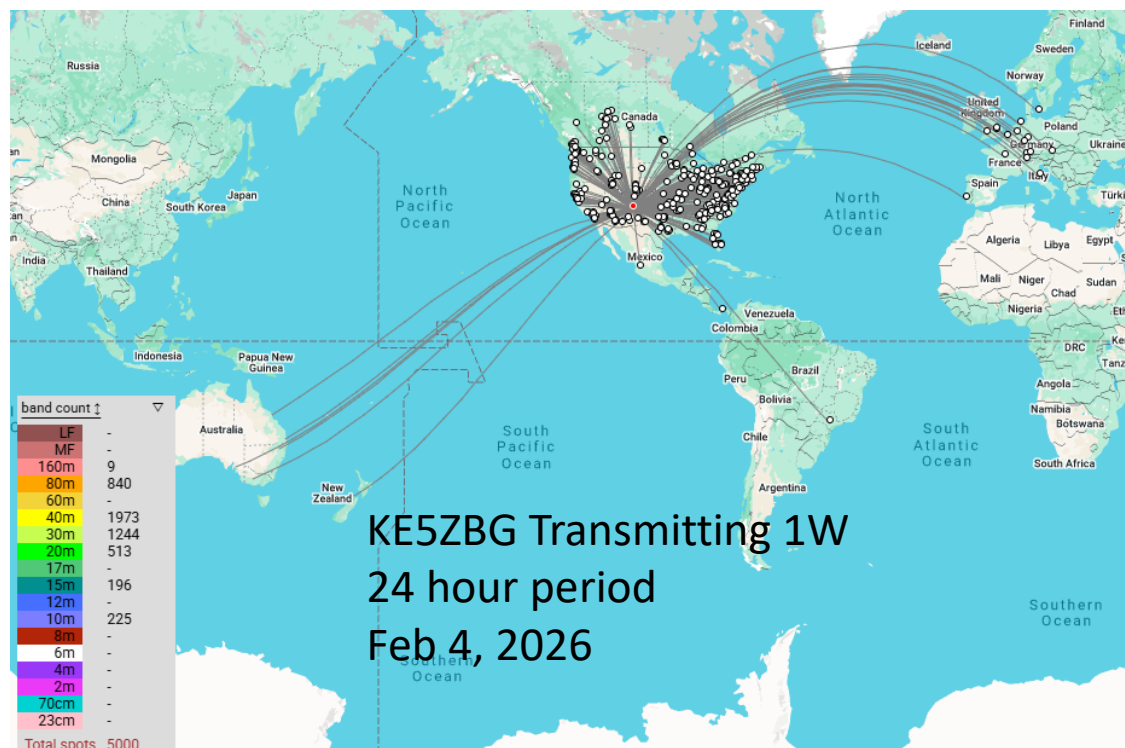
e, NM

WSPR Propagation Map

- <https://wspr.rocks/>

5 weeks 10m any mode KE5ZBG KE5ZBG

limit 5k spots unique tx-rx pairs Search...





SFARES Committees -

- Goal: Create opportunities for involvement and collaboration
- a way to focus effort, share the workload, and get more members involved,
- build depth and continuity, monthly reports

- Technical - Winlink/Packet
- Recruiting(/Engagement)
- Outreach(/Publicity)
- Education(/Mentoring)
- Fundraising
- Others



Technical - Winlink/Packet Committee

- Goals – establish Winlink (HF & VHF) capabilities in the group, assist members, improve techniques and promote practice
- Current Projects – use packet stations and Winlink for email and data exchanges, both VHF and HF
- Potential projects – set up and maintain Winlink/packet capabilities that benefit ARES communications
- Promote Winlink Thursdays and Weather Reporting via RF
- Members
 - Darrell WK0C (chair), ...Ken Kasper KD5GKH, Matt Martel K5CSJ, Chris Kemper KG5SWG



Recruiting/Engagement Committee

- Goals – increase SFARES membership and retention
- Current Projects – none
- Potential projects – contact local hams and invite them to SFARES meetings and activities, outreach at ham fests, develop exciting demonstrations for school groups, talk to the public at HAM radio events, assist with license classes and tests, meet with “CERT” public safety groups, ...
- Members
 - Gene K5ZX, ...



Outreach/Publicity Committee

- Goals – develop and maintain SFARES public interfaces
- Current Projects – SFARES web site and FaceBook page
- Potential projects – media outlet releases, notification of events, ...
- Members
 - Lyn N1LYN, Darrell WK0C



Education/Mentoring Committee

- Goals – effective and interesting learning for SFARES members, recruits, and associates
- Current Projects – update SFARES training and procedures
- Potential projects – develop a catalog of resources on a variety of topics, ...
- Members
 - Ron NR5ON, ...



Fundraising Committee

- Goals – increase funding from donations, grants, sales, ...
- Current Projects – advertise and sell donated aircraft radios, identify other donated items for sale, ...
- Potential projects – write a new ARDC (Amateur Radio Digital Communications) proposal, ...
- Members
 - Darrell W0KCC, Erik KE5ZBG, ...



Winter Field Day

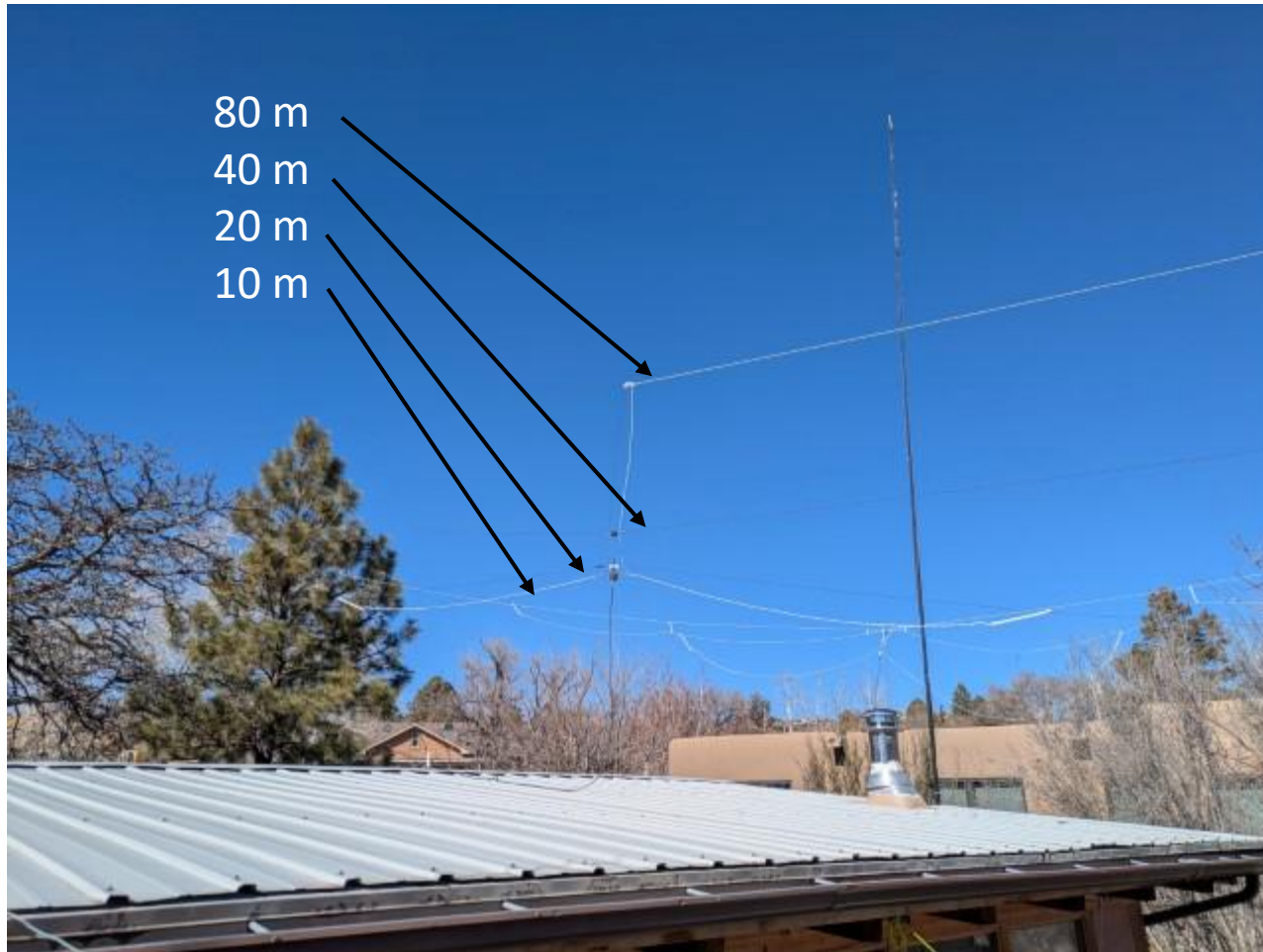
- Van issues
- Home operations
 - Mostly HF – Icom 7610 transceiver (100 W)
 - 10-20-40-80m fan dipole, 15m dipole, 10-15-20-40m trapped-vertical (RX)
 - Modes: PSK-31, phone
 - VHF/UHF – no contacts 146.52 MHz, 446 MHz, 145.555 MHz,...
- Winlink
- Results
- See <https://winterfieldday.org/>



Station radio and logging (NR50N)

- Icom IC-7610
 - Dual transceiver 160 m to 6 m
 - USB digital interface
 - Controlled by FLRIG software of FLDIGI – reads/sets frequency (band) “CAT commands”
- N3FJP Logging software (Winter Field Day)
 - Interfaces with FLDIGI (and other) software or directly with the radio
 - Logs call sign, ARRL section (or DX), and class (for example 2H, 1M, 1O, or 5I - # of transmitters and Home, Mobile, Outdoor, Indoor)
 - Produces log file for submission, scoring, statistics, a map, etc.
 - See <https://www.n3fjp.com/>

Antennas – Fan Dipole



Receive Antenna – trapped vertical

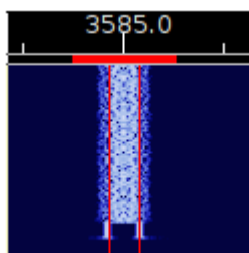


- Hustler 4-band 10-15-20-40 meter
- Two raised (roof level) tuned radials per band
- Lower noise in my city environment than dipoles
- Tilt-over base for maintenance
- See <https://hustlerantenna.shop/> and retailers, for example,
<https://www.dxengineering.com/search/brand/hustler-antenna>

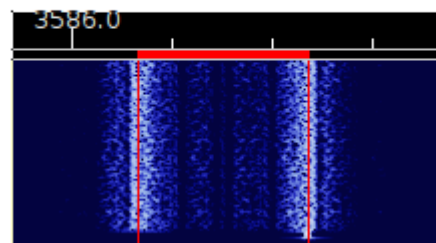
FLDIGI – many digital modes

- <https://sourceforge.net/p/fldigi/wiki/beginners/guide>
- <https://sourceforge.net/projects/fldigi/files/> downloads
- <https://www.w1hkj.org/modes/index.htm> - sights & sounds

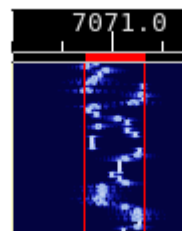
RTTY Modes



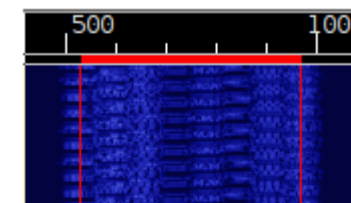
BPSK-31



Baudot 45 / 170

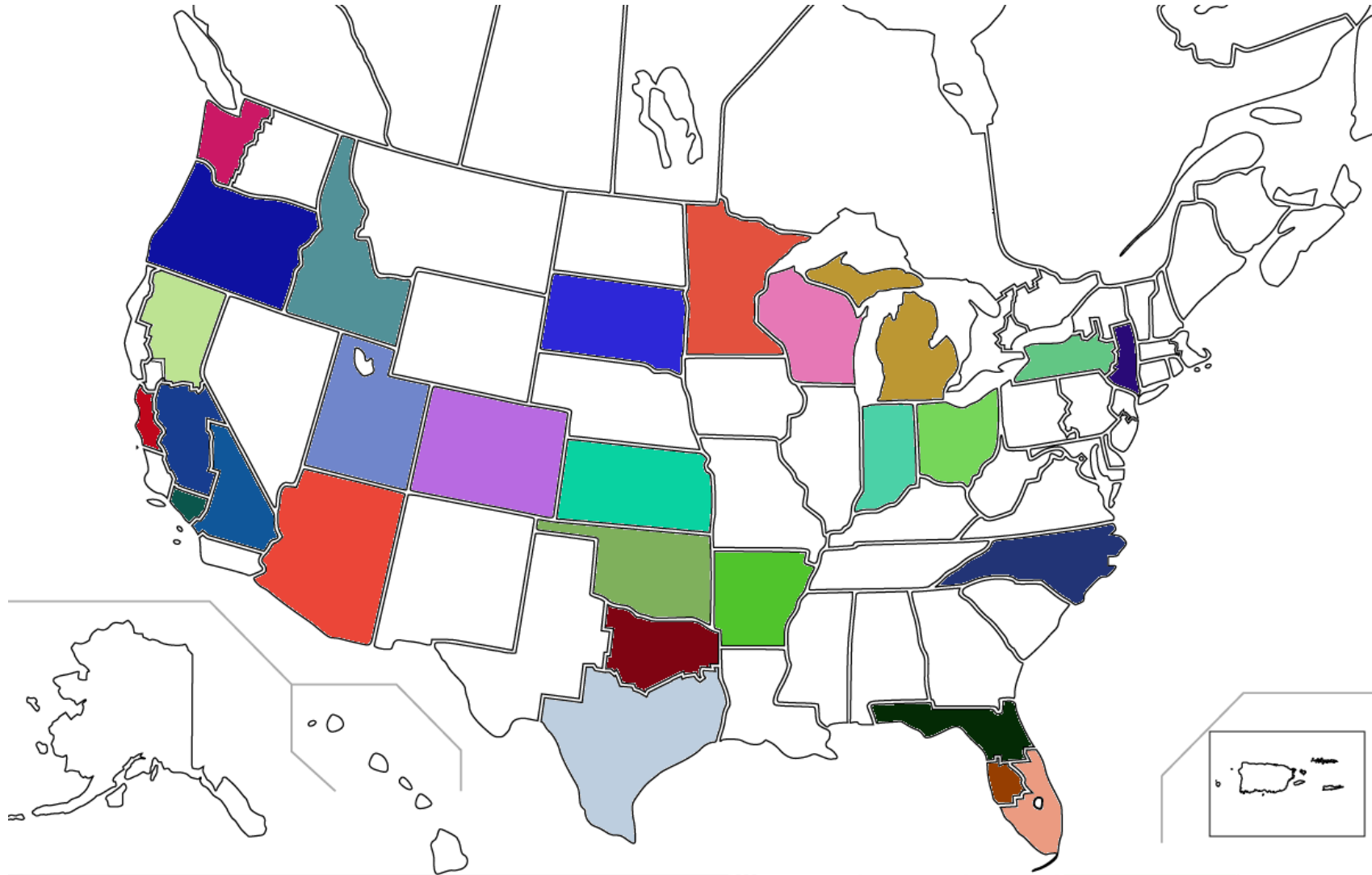


MFSK-4 [Spectrum](#), [Sound](#)



Olivia 8/500
[Spectrum](#)
[Sound](#)

WFD 2026 Contact Map



WFD Stats



Santa Fe, NM

Total Contacts by Band and Mode:					
Band	CW	Phone	Dig	Total	%
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80	0	2	0	2	3
40	0	2	0	2	3
20	0	5	26	31	53
15	0	10	12	22	37
10	0	2	0	2	3
	--	-----	---	-----	---
Total	0	21	38	59	100

Contacts by State

State	Total	%
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CA	9	15
AZ	7	12
TX	7	12
WI	5	8
WA	4	7
CO	3	5
FL	3	5
OR	3	5
AR	2	3
MN	2	3
NY	2	3
OH	2	3
OK	2	3
UT	2	3
ID	1	2
IN	1	2
KS	1	2
MI	1	2
NC	1	2
SD	1	2
Total = 20		





Winlink Exercises –

- Winlink Thursdays are now held weekly! See
 - https://emcomm-training.org/Winlink_Thursdays.html
- ETO Practice Exercises – (submission is now Sat 5PM to Fri 1 AM MT)
 - 1st Thursday: (NEW) ICS-213 message
 - 2nd Thursday: (NEW) ICS-213 RR message
 - 3rd Thursday: a custom Winlink exercise, continuing the ETO model of exploring Winlink features.
 - 4th Thursday: (NEW) ICS-205 message
 - 5th Thursday: (NEW) a Field Situation Report message
- For a Winlink account and software see <https://winlink.org/WinlinkExpress>



Upcoming Events

FEBRUARY

28 (Sat): Rocky Mountain Ham Radio TechFest, Albuquerque UNM
Continuing Ed Center

APRIL

11 (Sat) **NM QSO Party** -
18 (Sat) World Amateur Radio Day

MAY

16 (Sat) **Gravelon – Jack K3UGR organizing**
17 (Sun) **Santa Fe Century** -

JUNE

13-15 ARRL VHF Contest
27 (Sat) **ARRL Field Day**



Discussions

Thank you!