



# Line of Sight DX

The Worldwide TV-FM DX Association - PO Box 501, Somersville, CT 06072

The Official WTFDA Newsletter

The annual Perseids Meteor Shower is from now through August 23, with peak August 12-13.

## August 2025 #10

We welcome to two new WTFDAers this month; Bill Malona in Sweet Home, OR and Dylan Coratti in Feeding Hills, MA. Feeding Hills is part of the town of Agawam, a Springfield suburb where I, as a kid from CT just out of high school, spent about three months living with a lady and her son while attending a radio/tv broadcasting school, which no longer exists. Fortunately for me, I never made a career out of broadcasting.

Now that we're officially into August, we can safely say that skip season is over, except for perhaps Bermuda where it never seems to quit. (And July 31st just proved me wrong - Ed)

Let's revisit July and read about some of the double hop Es that was heard. Back on July 5<sup>th</sup>, Kyle in Washington (the state) posted ***Last night (7/4) / 1900 PT: Got another double hop - and a new state: Ohio! I heard the TOTH ID for WOUB on 89.1 and its repeaters, but two of those are on 89.1: WOUL Ironton (50 kW/3133 km) and WOUC Cambridge (5 kW/3113 km). Got another 2x - 89.7 WONU Kankakee, IL... not a new state, but definitely the farthest I've received in Illinois. Got another double hop on the 4th - 105.9 WNKN Middletown, OH w/ RDS and a decent signal.*** Also on July 4<sup>th</sup> Kyle had double hop to WBCT Grand Rapids 1673mi.

There were also reports that 6 meter TA skip was way down this year, which accounts for the lack of any TA FM reception this summer. One FM Dixer in Newfoundland did manage to hear the Canary Islands on FM while hearing FM from the Azores on the first hop, a neat trick.

**THE WLOGGER.** July was also a big month for our WTFDA Wlogger. In addition to the logs now having a visual representation on OpenStreetMaps, Dxers are now also able to log and plot National Weather Stations on 162.5mhz as well as all FM, digital television stations, Cuban and Canadian analog channels. And last month we mentioned that all of your logs can be downloaded as a .csv file and printed. This means that all of the following fields will be available for you to choose from: Date/time, callsign, frequency, town, state, mode, comments, name, latitude, longitude and, added just recently, distance from your location. I have posted my logs for the year elsewhere in this newsletter for you to peruse. If you want to post your logs here, this is an easy way to do it.

**RIP WTFDA FORUMS.** In mid July, the WTFDA Forums were hacked. This was the third major crisis for the site over the years and unfortunately, the final one. Back in its heyday the forums were the place to be, but because of the loss of data the first two times it crashed, it ended up being the place not to be. So we just put the poor thing out of its misery and the site will no longer be available.

**DX PODCAST.** Les Rayburn posts ***A new episode of the VHF DX Podcast dropped on July 17th. Recorded live on the July 4 weekend at the home of Bryce Foster in Cape Cod, MA. Nick Langan and Bryce touch on mid-season grades for the season, NOAA Weather Radio DX, and DXing in the PNW. Don't miss another great episode: The VHF DX Podcast <https://open.spotify.com/show/0QWtETNePIWI3V0F7dU5Qw>.***

## Doug Smith

FM DX, July 4, 2025, Bellevue, Tennessee (west suburb of Nashville):

Time (CDT)	Freq.	Call	St.	City	Dist. (mi.)	Notes
10:00	88.3	CBQT-FM	ON	Thunder Bay	849	CBC talk
10:00	91.5	WVMV	MI	China Township	495	Smile FM weather alert promo
10:00	93.9	WNBY-FM	MI	Newberry	699	Newberry ads
10:00	94.3	WCMV-FM	MI	Leland	585	RDS "WCMU NPR"
10:00	99.3	WJQK	MI	Zeeland	454	"1108 Chicago Drive, where Holland and Zeeland meet"
10:00	93.5	WBCM-FM	MI	Boyne City	627	"KLZ, The Rock Station"
10:00	88.3	WTCY	MI	Grellickville	597	"Relevant Radio"
10:00	91.9	WVBI	MI	St. James	646	"VBI"
11:30	91.3	KUWS	WI	Superior	761	RDS "KUWS"
11:41	91.7	WXPR	WI	Rhineland	658	RDS "WXPR"
11:44	92.3	WRLS-FM	WI	Hayward	703	calls
11:46	94.3	CJSD-FM	ON	Thunder Bay	838	local ad
11:49	96.5	WNWX	WI	Rhineland	651	Eagle River ad, ad for Northern Rivers Casino
11:53	91.5	CKPR-FM	ON	Thunder Bay	838	Calls, Superior Heating, Memorial Home Hardware
11:55	92.3	WJMQ-FM	WI	Clintonville	575	"Frog 92-3"
11:58	99.1	WKFX	WI	Rice Lake	670	"Northern Wisconsin's Rock"
12:00	89.3	WIRC	MN	Ely	825	"218-834-2226", number for Cooperative Light & Power, Two Harbors
12:01	92.7	CKDR-FM	ON	Dryden	959	News: Sioux Lookout and Red Lake fires, Fort Severn First Nation

I believe WJQK is the shortest FM Es I've ever heard, and WVMV may be the second shortest...

Times for the "10:00" loggings are approximate, I was driving... Those stations were heard on the radio in a 2006 Chevy Silverado. The remainder were heard in a 2017 Toyota Prius. All within two miles of my house about 12 miles west of downtown Nashville.

Mike Bugaj – Enfield, CT

The new Wlogger gives us the ability to not only log our DX and plot it, as on other sites, but to print our DX for our own purposes. So here is my DX courtesy of the new logger. I have not included any comments or station coordinates to make it fit on the page easier. Also mileages have just been added to the available print fields recently, so older logs are marked N/A.

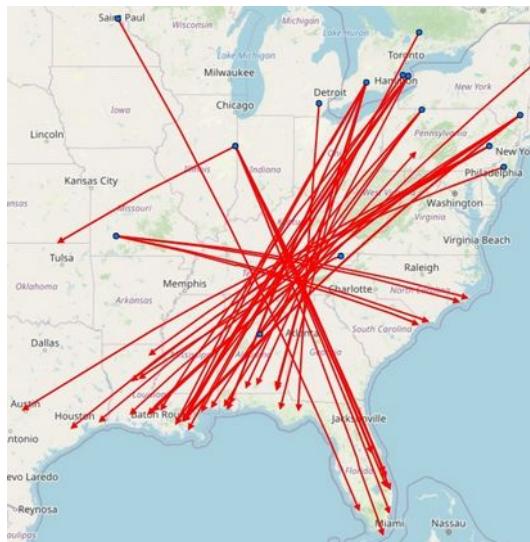
Timestamp	Mode	Freq	Calls	City	St/Pr	MI.
2025-01-17 16:12:00	Es	88.3	WAYP	MARIANNA	FL	N/A
2025-01-19 16:30:00	Es	90.1	WFRF	QUINCY	FL	N/A
2025-01-19 16:30:00	Es	95.1	WBPC	EBRO	FL	N/A
2025-01-19 19:32:00	Es	95.1	WFKS	MELBOURNE	FL	N/A
2025-01-19 20:10:00	Es	105.1	WOMX	ORLANDO	FL	N/A

2025-01-19 20:13:00	Es	92.3	WWKA	ORLANDO	FL	N/A
2025-01-19 20:13:00	Es	99.3	<b>WLRQ</b>	COCOA	FL	N/A
2025-01-19 20:13:00	Es	92.3	WWKA	ORLANDO	FL	N/A
2025-01-19 20:13:00	Es	99.3	<b>WLRQ</b>	COCOA	FL	N/A
2025-01-19 20:22:00	Es	88.1	<b>WGHW</b>	LOCKWOODS F.T.	NC	N/A
2025-01-19 20:26:00	Es	89.7	<b>WDVV</b>	WILMINGTON	NC	N/A
2025-01-19 20:38:00	Es	94.3	<b>WSCC</b>	GOOSE CREEK	SC	N/A
2025-01-19 20:41:00	Es	95.3	WPYO	MAITLAND	FL	N/A
2025-01-19 20:41:00	Es	96.9	WJGL	JACKSONVILLE	FL	N/A
2025-01-19 20:41:00	Es	97.5	WPCV	WINTER HAVEN	FL	N/A
2025-01-19 20:41:00	Es	95.3	WPYO	MAITLAND	FL	N/A
2025-01-19 20:41:00	Es	96.9	WJGL	JACKSONVILLE	FL	N/A
2025-01-19 20:48:00	Es	99.5	WQYK	ST. PETERSBURG	FL	N/A
2025-01-19 20:58:00	Es	101.5	WSOL-FM	YULEE	FL	N/A
2025-01-19 20:58:00	Es	101.5	WJHM	DAYTONA BEACH	FL	N/A
2025-04-25 21:55:00	Tr	88.3	<b>WGBZ</b>	OCEAN CITY	MD	N/A
2025-04-25 21:55:00	Tr	104.7	WQHQ	OCEAN CITY	MD	N/A
2025-04-25 22:02:00	Tr	99.7	WYFI	NORFOLK	VA	N/A
2025-04-25 22:15:00	Tr	93.3	WMMR	PHILADELPHIA	PA	N/A
2025-05-24 11:23:00	Es	92.1	KMOE	BUTLER	MO	N/A
2025-05-24 11:29:00	Es	98.7	KCVQ	KNOB NOSTER	MO	N/A
2025-05-24 11:33:00	Es	98.7	KJTH	TONICA	OK	N/A
2025-05-28 18:38:00	Es	91.1	WKES	LAKELAND	FL	N/A
2025-05-30 21:50:00	Es	92.1	<b>HITZ</b>	SANTO DOMINGO	DR	N/A
2025-06-04 16:05:00	Es	92.1	WJGA	JACKSON	GA	N/A
2025-06-04 21:00:00	Es	87.7	WEYS-LD	MIAMI	FL	N/A
2025-06-04 21:07:00	Es	89.7	WMLV	MIAMI	FL	N/A
2025-06-04 21:07:00	Es	92.1	WAFZ-FM	IMMOKALEE	FL	N/A
2025-06-04 21:09:00	Es	94.9	WZTU	MIAMI	FL	N/A
2025-06-04 21:21:00	Es	103.7	<b>KRRO</b>	SIOUX FALLS	SD	N/A
2025-06-04 22:48:00	Es	88.7	WTBS-LD	ATLANTA	GA	N/A
2025-06-04 22:53:00	Es	89.7	<b>WJHL</b>	ALEXANDER CITY	AL	N/A
2025-06-04 22:57:00	Es	95.3	WZNF	LUMBERTON	MS	N/A
2025-06-04 23:02:00	Es	92.9	WBLX	MOBILE	AL	N/A
2025-06-04 23:17:00	Es	92.1	KRUE	WASECA	MN	N/A
2025-06-04 23:17:00	Es	88.3	KESD	BROOKINGS	SD	N/A
2025-06-04 23:21:00	Es	95.1	KUSQ	WORTHINGTON	MN	N/A
2025-06-04 23:21:00	Es	98.7	KISD	PIPESTONE	MN	N/A
2025-06-24 00:00:00	Es	92.1	KTBT	BROKEN ARROW	OK	N/A
2025-05-28_18:32:00	Es	92.1	WCTQ	VENICE	FL	N/A
2025-05-28_18:32:00	Es	92.1	WZEW	FAIRHOPE	AL	N/A
2025-06-14 22:09:00	Es	87.75	WEYS-LD	MIAMI	FL	N/A
2025-06-14 22:56:03	Es	90.1	WXVS	WAYCROSS	GA	N/A
2025-06-14 22:59:09	Es	91.5	WFSQ	TALLAHASSEE	FL	N/A
2025-06-15 00:42:39	Es	90.1	WGCU-FM	FORT MYERS	FL	N/A
2025-06-15 00:53:59	Es	96.9	WINK-FM	FORT MYERS	FL	N/A
2025-06-15 01:02:02	Es	94.1	WLLD	LAKELAND	FL	N/A
2025-06-15 01:07:48	Es	95.3	WPYO	MAITLAND	FL	N/A
2025-06-15 14:42:00	Es	87.75	WEYS-LD	MIAMI	FL	N/A
2025-06-15 14:46:37	Es	94.9	WZTU	MIAMI BEACH	FL	N/A
2025-06-15 14:48:31	Es	95.5	WLDI	JUNO BEACH	FL	N/A
2025-06-15 14:50:22	Es	98.7	WKGR	WELLINGTON	FL	N/A
2025-06-15 14:51:37	Es	99.7	WJKD	VERO BEACH	FL	N/A
2025-06-15 14:57:44	Es	99.5	WLLY-FM	PLM BCH GARDENS	FL	N/A

2025-06-15 15:04:11	Es	98.3	WRTO-FM	GOULDS	FL	N/A
2025-06-15 15:08:44	Es	92.1	WAFZ-FM	IMMOKALEE	FL	N/A
2025-06-17 12:51:59	Es	95.3	KHYI	HOWE	TX	N/A
2025-06-17 13:01:05	Es	99.5	WRNO-FM	NEW ORLEANS	LA	N/A
2025-06-17 13:03:02	Es	98.9	WBAM-FM	MONTGOMERY	AL	N/A
2025-06-17 13:04:00	Es	98.7	WYCT	PENSACOLA	FL	N/A
2025-06-17 13:05:29	Es	95.3	WMJB	VALLEY	AL	N/A
2025-06-17 13:07:23	Es	92.1	WZEW	FAIRHOPE	AL	N/A
2025-06-17 13:12:36	Es	106.5	WOYS	CARRABELLE	FL	N/A
2025-06-17 13:18:07	Es	95.3	WVKV	NASHVILLE	GA	N/A
2025-06-17 13:18:22	Es	94.5	WFLF-FM	PARKER	FL	N/A
2025-06-17 13:20:31	Es	93.3	WVFT	GRETNA	FL	N/A
2025-06-17 13:27:34	Es	91.5	WFSQ	TALLAHASSEE	FL	N/A
2025-06-17 13:28:33	Es	90.1	WFRU	QUINCY	FL	N/A
2025-06-17 13:30:31	Es	92.1	WCTQ	VENICE	FL	N/A
2025-06-17 13:36:04	Es	92.1	KTSR	DE QUINCY	LA	N/A
2025-06-19 13:25:52	Tr	98.9	WUSL	PHILADELPHIA	PA	N/A
2025-06-19 13:29:33	Tr	90.9	WHYY-FM	PHILADELPHIA	PA	N/A
2025-06-19 13:57:14	Es	91.5	WCIC	PEKIN	IL	N/A
2025-06-19 13:59:04	Es	90.1	KKFI	KANSAS CITY	MO	N/A
2025-06-26 15:53:00	Es	92.1	KORN-FM	PARKSTON	SD	N/A
2025-06-26 15:57:00	Es	94.3	KATI	CALIFORNIA	MO	N/A
2025-06-26 15:57:16	Es	93.5	KRMS-FM	OSAGE BEACH	MO	N/A
2025-06-26 16:01:15	Es	98.7	WNNS	SPRINGFIELD	IL	N/A
2025-06-26 16:11:37	Es	91.7	KSUI	IOWA CITY	IA	N/A
2025-06-26 16:13:37	Es	93.3	KRTK	HERMANN	MO	N/A
2025-06-26 16:21:29	Es	98.1	KYKY	ST. LOUIS	MO	N/A
2025-06-26 16:23:55	Es	99.5	KUTT	FAIRBURY	NE	N/A
2025-06-26 16:25:55	Es	101.1	KXIA	MARSHALLTOWN	IA	N/A
2025-06-26 16:36:19	Es	88.1	KDHX	ST. LOUIS	MO	N/A
2025-06-26 16:47:57	Es	95.1	KMXL	CARTHAGE	MO	N/A
2025-06-26 16:55:17	Es	96.9	KOZA	EFFINGHAM	KS	N/A
2025-06-26 17:17:45	Es	96.9	KKOW-FM	PITTSBURG	KS	N/A
2025-06-26 17:31:52	Es	90.9	KLRC	TAHLEQUAH	OK	N/A
2025-06-28 17:25:39	Tr	107.5	WBYN-FM	BOYERTOWN	PA	N/A
2025-07-04 13:26:41	Es	92.1	KTBT	BROKEN ARROW	OK	1318
2025-07-04 13:28:35	Es	107.5	KOSN	KETCHUM	OK	1270
2025-07-04 13:30:37	Es	106.7	KRVI	MOUNT VERNON	MO	1167
2025-07-05 14:39:29	Es	88.3	KBPN	BRAINERD	MN	1123
2025-07-06 03:05:30	Tr	94.5	WLIE	SAGAPONACK	NY	72
2025-07-06 03:12:54	Tr	95.1	WAYV	ATLANTIC CITY	NJ	207
2025-07-06 03:23:42	Tr	103.3	WPLF	SHELTER ISLAND	NY	74
2025-07-09 14:41:25	Tr	107.5	WBYN-FM	BOYERTOWN	PA	196
2025-07-09 15:14:09	Tr	106.1	WUMR	PHILADELPHIA	PA	191
2025-07-09 15:16:46	Tr	105.7	WQXA-FM	YORK	PA	257
2025-07-09 15:26:58	Tr	94.5	WPST	TRENTON	NJ	173
2025-07-11 23:39:17	Tr	95.1	WAYV	ATLANTIC CITY	NJ	207
2025-07-12 00:03:14	Tr	101.5	WKXW	TRENTON	NJ	163
2025-07-12 00:10:30	Tr	107.1	WWZY	LONG BRANCH	NJ	139
2025-07-12 03:39:09	Tr	90.9	WHYY-FM	PHILADELPHIA	PA	195
2025-07-12 03:41:23	Tr	93.3	WMMR	PHILADELPHIA	PA	197
2025-07-12 03:43:17	Tr	98.9	WUSL	PHILADELPHIA	PA	195
2025-07-13 02:46:54	Tr	99.9	WODE-FM	EASTON	PA	165
2025-07-14 02:43:53	Tr	95.1	WAYV	ATLANTIC CITY	NJ	207

2025-07-14 02:50:01	Tr	103.7	WMGM	ATLANTIC CITY	NJ	208
2025-07-16 03:29:28	Tr	99.5	WVCW	WILMINGTON	DE	216
2025-07-16 03:30:22	Tr	107.5	WBYN-FM	BOYERTOWN	PA	196
2025-07-21 13:03:16	Tr	107.5	WBYN-FM	BOYERTOWN	PA	196
2025-07-21 13:21:20	Tr	101.1	WBEB	PHILADELPHIA	PA	195
2025-07-21 14:06:46	Es	89.7	WVFS	TALLAHASSEE	FL	1030
2025-07-21 14:11:10	Es	94.9	WZTU	MIAMI BEACH	FL	1190
2025-07-21 14:13:59	Es	89.7	WJLU	NEW SMYRNA BEACH	FL	1013
2025-07-21 14:14:27	Es	89.7	WUSF	TAMPA	FL	1120
2025-07-21 14:15:47	Es	88.3	WPOZ	ORLANDO	FL	1042
2025-07-21 14:19:21	Es	94.3	WRLX	RIVIERA BEACH	FL	1135
2025-07-21 14:20:36	Es	98.7	WKGR	WELLINGTON	FL	1120
2025-07-21 14:23:32	Es	101.5	WLYF	MIAMI	FL	1190
2025-07-21 14:25:27	Es	105.1	WOMX-FM	ORLANDO	FL	1043
2025-07-21 14:25:47	Es	105.1	WASJ	PANAMA CITY BEACH	FL	1098
2025-07-21 14:38:02	Es	89.7	WMLV	MIAMI	FL	1223
2025-07-21 14:39:03	Es	89.1	WSMR	SARASOTA	FL	1168
2025-07-22 00:45:56	Es	88.3	WPOZ	ORLANDO	FL	1042
2025-07-22 00:51:20	Es	92.1	WCTQ	VENICE	FL	1168
2025-07-22 01:00:32	Es	89.7	WUSF	TAMPA	FL	1120
2025-07-23 13:48:03	Tr	107.5	WBYN-FM	BOYERTOWN	PA	196
2025-07-23 14:47:27	Tr	94.9	WKLL	FRANKFORT	NY	155
2025-07-23 14:54:58	Tr	92.9	WBPM	SAUGERTIES	NY	76
2025-07-25 14:12:22	Tr	99.5	WVCW	WILMINGTON	DE	216
2025-07-25 14:17:10	Tr	96.9	WLAN-FM	LANCASTER	PA	244
2025-07-25 14:23:16	Tr	101.5	WKXW	TRENTON	NJ	163
2025-07-25 14:29:01	Tr	107.5	WBYN-FM	BOYERTOWN	PA	196
2025-07-26 17:04:28	Tr	99.9	WODE-FM	EASTON	PA	165
2025-07-28 13:20:47	Tr	95.1	WAYV	ATLANTIC CITY	NJ	207
2025-07-28 14:00:23	Tr	88.3	WLKA	TAFTON	PA	154
2025-07-29 13:13:07	Tr	92.1	WOLF-FM	BALDWINSVILLE	NY	202
2025-07-30 13:16:24	Tr	94.5	WPST	TRENTON	NJ	173

Looking over my logs, I see that this season has definitely been better than 2023 or 2022. There were more openings. On the downside, though, there was a lack of TA skip to the east coast. Nobody on the mainland saw the Azores this summer, myself including. My best catch was HITZ-FM 92.1 in Santo Domingo on May 30<sup>th</sup>. It was mixing with WLNG Sag Harbor and it's also a relog. Once again, Florida dominated the Es this summer.



**SURPRISE E-SKIP!** This event occurred on July 31<sup>st</sup> from about 4:30pm to 6:30pm ET. About 14 Dxers took part in this event. In some places the MUF was up to the top of the FM band. What a great way to end (?) the 2025 skip season.

# FCC GRANTS AND ACTIONS

From fcc.today and the FCC

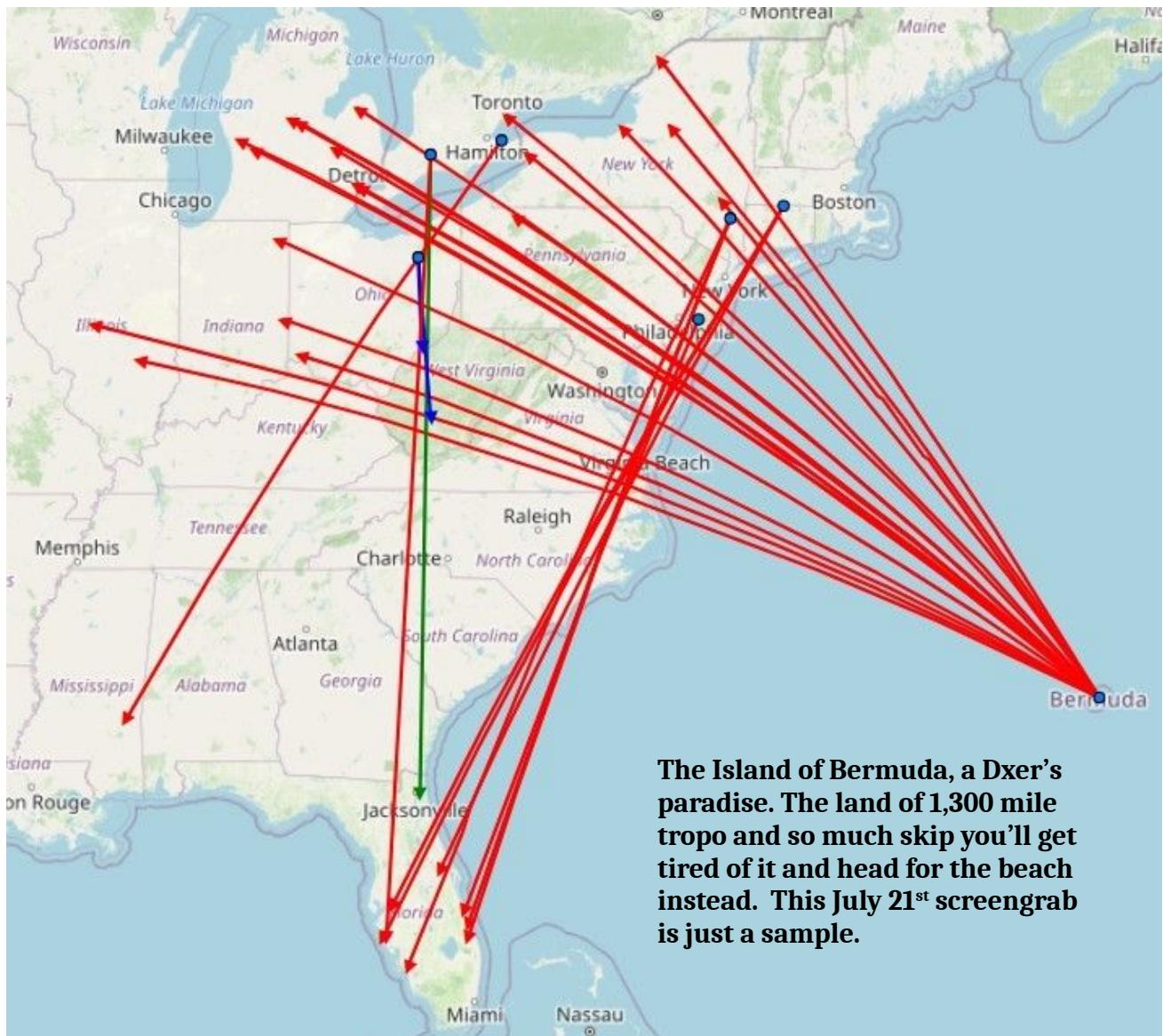
August 2025

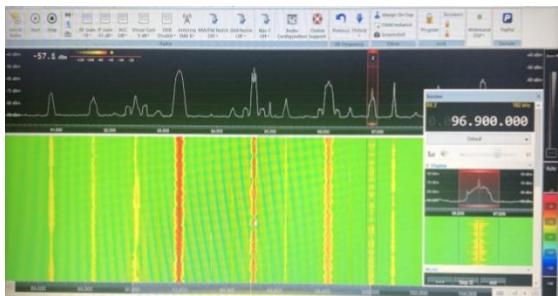
AL	WKYD	106.3	Maplesville	initial calls
AL	NEW	93.1	Tuskegee	100w/29m, 32-25-39 85-41-04
AL	W222BK	92.3	Birmingham	change primary to WENN 1320 and COL change from Chelsea
AL	W297BF	107.3	Birmingham	change primary to WBPT-HD3
AL	W273AJ	102.5	Athens	Silent 7/20/25 technical issues
AR	KSMD	88.7	Dover	10kw/406m from 100w/-30m at new site 35-29-41 92-54-00
AR	K294DD	106.7	Walnut Ridge	210w/67m from 250w, ex 103.1 (K276FJ), COL from College City, new site 35-57-14 90-41-41
AZ	KRXD	97.7	Wagon Wheel	change COL from McNary, 1.2k/251m from 4.1k/275m at current site
AZ	K271BH	102.1	Pinetop	change primary to KBMH 90.3
CA	KKWC-LP	96.9	San Diego	initial calls
CA	KLPU-LP	101.3	Ventura	initial calls
CA	K215DS	90.9	Truckee	Silent 6/5/25 issues with tower and tower owner
CA	KUTZ-LP	103.1	Scacramento	Silent 6/20, lost site
CA	KUTM	92.7	Kerman	6kw/94m from 5.4kw/105m at new site 36-21-24 120-27-46
CA	KCFS-LP	97.3	El Dorado Hills	-4m, 38-41-42 121-11-45 change in HAAT and site
CA	NEW	101.5	San Dimas	New cp, 100w/-104m, 34-06-49 117-48-54
CA	KPDC-LP	104.7	Ukiah	-246m, 39-07-45 123-12-45, change in HAAT and site
CA	KEWG-LP	103.9	Ukiah	-247m, 39-07-45 123-12-44, change in HAAT and site
CA	K268DU	101.5	Victorville	Silent 7/14 primary KQTE is silent
CA	K223DL	92.5	Calistoga	Ex 92.3 (K222CV)
CO	K214CA	90.7	Green Junction	change primary to KUFR 91.7 (Family Radio)
CO	K214FJ	90.7	Golden	raise power to 250w
FL	W260DA	99.9	Bartow	Silent 6/7/25 primary WQXM is silent
FL	WYLO-LP	101.5	Cape Coral	initial calls
FL	W283DJ	104.5	Melbourne	COL from Cocoa, new site 28-16-43 80-42-02
FL	WSKR-LP	95.5	Jacksonville	Silent 7/13/25 antenna problems
FL	WRRW	88.5	Crawfordville	license cancelled
FL	W239CN	95.7	St. Augustine Beach	license cancelled
GA	WIBE	91.3	Bowman	drops power to 2.7kw/151m
GA	W222AF	92.3	Marietta	change primary to WAKL-HD3 (Airr1)
GA	WUOG	90.5	Athens	Silent 6/17 for transmitter repairs
GA	WGJL	91.9	Milledgeville	12.5kw/143m from 13kw/105m at new site 33-04-50 83-11-11
GA	WMOY-LP	94.9	Dalton	initial calls

HI	KNUQ-FM2	103.9	Paauilo	new cp, 20kw, 20-50-30 156-53-54
HI	K220FQ	91.9	Honolulu	Ex 91.1 (K216FI)
HI	K214FS	90.7	Kaillua	Ex 90.9 (K215EH)
IA	K281DB	104.1	Davenport	license cancelled
ID	KZSV	89.3	Ketchum	initial calls
ID	KMHO	88.3	Mountain Home	initial calls
ID	K265EY	100.9	Cascade	Silent 7/18/25 technical issues
IL	WSJD-FM1	100.5	Mount Carmel	100w, was 700w
IL	W288CO	105.5	Centralia	license cancelled
KY	WNUA	88.5	Williamstown	38-37-14 84-34-15, new site
LA	WSUB-LP	106.1	Baton Rouge	ex WTQT-LP
LA	K206DU	89.1	Lafayette	change primary to WJCH 91.9 (Family Radio)
LA	WBRJ-LP	97.3	Baton Rouge	license cancelled
MD	W284BE	104.7	Havre de Grace	change primary to WAMD(AM), classic rock
MO	KSLE-LP	94.1	St. Louis	initial calls
MO	KGNN	90.3	Cuba	Silent 6/16/25 transmitter failure
MO	K221GX	92.1	Sikeston	Ex 98.9 (K255AW)
MS	W274CH	102.7	Meridian	Silent 10/30/24 because primary WQMS is silent
MT	K216GT	91.1	Great Falls	change primary to KUFR 91.7 (Family Radio)
MT	KBMI	103.9	Butte	Ex KMSM-FM
NC	WKDH	88.1	Rodanthe	ex WIID
NC	WJSS-LP	103.1	Wilmington	license cancelled
NC	WJSI-LP	91.7	Wilmington	license cancelled
NE	KHUY	89.9	Schuler	5kw/159m from 7kw/132m at current site
NJ	W281CL	104.1	Cherry Hill	raise power to 220w
NM	K220GM	91.9	Placitos	change primary to KUFR 91.7 (Family Radio)
NM	K250AB	97.5	Roswell	Silent 2/27 transmitter failed
NV	KVUW-FM1	102.3	Wendover	new cp, 20w, 40-53-40 115-37-48
NY	W213AC	90.5	Hyde Park, etc	change primary to WFME-FM 92.7 (Family Radio)
NY	W241DM	96.1	Saratoga Springs	Ex 96.3 (W242DJ), 75w from 95w at new site 43-01-12 73-31-26
NY	WLIR-FM3	107.1	East Quogue	new cp, 600w, 40-50-11 72-36-18
NY	WLIR-FM1	107.1	Moriches	new cp, 300w, 40-51-18 72-46-09
NY	WLIR-FM2	107.1	Southampton	New cp, 1200w, 40-52-01 72-33-09
OH	W232DZ	94.3	New Albany	Ex 105.5 (W288CT), COL moved from Newark
OH	WVVM	91.1	Mount Sterling	initial calls
OR	KTCB	89.5	Tillamook	raise power to 1.6kw/382m at new site 45-27-68 123-55-15
OR	KRSK-FM	105.1	Malalla	Ex KRSK, The KRSK calls go to KFXX 1080
PA	WTUU-LP	94.5	Hazleton	initial calls

PA	W208AF	99.5	Nanticoke, etc	change primary to WFME-FM 92.7 (Family Radio)
PA	W207AE	89.3	Reading	change primary to WFME 92.7 (Family Radio)
PA	W261ED	100.1	Lees Crossroads	120w, ex W260DD 99.9, from 55w at new site 40-05-32 77-19-10
PA	WQMO-LP	95.7	Harrisburg	initial calls
PA	W288EO	105.5	Exeter	COL from Clarks Summit (ex W278CN 93.5)
PA	W228CN	93.5	Clarks Summit	resumed operations
PA	W296CD	107.1	Jonestown	raise power to 150w
PR	WMGZ-LP	103.3	Mayaguez	initial calls
PR	WYEY-LP	91.7	Cayey	initial calls
TN	W268DD	101.5	Memphis	250w from 200w, new site 35-11-02 89-56-13
TN	W300DO	107.9	Smyrna	250w from 200w, new site 36-02-59 86-49-59
TN	WEIO	100.9	Huntington	Silent 7/1/25 financial problems
TX	K285HC	104.9	Corsicana	Silent 10/31/24 with financial hardship
TX	K219BX	91.9	El Paso, etc	change primary to KUFR 91.7 (Family Radio)
TX	K300DU	107.9	Greenshores	Silent 5/7/25 no power, moving site
TX	KZYW-LP	106.5	Seagoville	initial calls
TX	KTXQ-LP	107.5	Wake Village	initial calls
TX	KHID	88.1	McAllen	Silent 6/24 tower collapsed in bad weather
TX	KBPM-LP	107.1	Mesquite	64w/38m, new site 38-45-33 96-33-14
TX	NEW	89.9	Newton	Mod, 300w/21m, power and height change, new site 30-51-01 93-45-39
TX	KSXT	90.3	Smiley	license cancelled
TX	KVNX	89.9	Newton	initial calls
TX	KVVD	90.3	West Livingston	initial calls
TX	K238BF	95.5	Atlanta	change primary to KYPN 900
UT	K220EI	91.9	Ogden	change primary to KUFR 91.7 (Family Radio)
UT	K252DI	98.3	Salt Lake City	change primary to KUDD-HD2 (ESPN 960)
UT	K255DO	98.9	Tremonton	250w from 48w, Ex 92.5 (K223CO)
UT	K279DG	103.7	Cedar City	Ex 107.7 (K299BW)
VA	W220BD	91.9	Roanoke	change primary to WFME-FM 92.7 (Family Radio)
WA	K217GS	91.3	Kamilche	19w H&V, from vertical pol. Only
WA	K218FH	91.5	Omak	Silent 4/5/25 no reason given
WA	KVRJ	107.9	McCleary	initial calls
WA	KTCV	88.1	Kennewick	Silent 7/1 facilities are under construction
WA	K202EV	88.3	Forks	Ex 88.1 (K201FD)
WA	K240FI	95.9	Sequim	Ex 102.9 (K275BW)
WA	KELL-LP	98.3	Ellensburg	initial calls
WA	KLSN	106.5	Dishman	Ex KFIO
WI	WILR-LP	90.1	Milwaukee	initial calls

WI	WYEN-LP	106.7	Rhinelander	initial calls
WI	W250BN	97.9	Milwaukee	raise power to 180w
WV	WEMM-FM	107.9	Huntington	50kw/150m from 152m at new site 38-28-44 82-14-58
WY	K219CA	91.7	Casper	change primary to KUFR 91.7 (Family Radio)
WY	KWRI	99.9	Ethete	initial calls
WY	NEW	91.1	Kemmerer	1.15k/261m from 8kw/284m at current site
WY	KWSJ	89.3	Kemmerer	320w/261m from 13kw/284m, initial calls
WY	KTUW	91.1	Kemmerer	initial calls





# Format Flips

and branding, too

John Zondlo – [fmdxweb@cox.net](mailto:fmdxweb@cox.net)

August 2025

## AL

Conservative Talk WXQW 660 Mobile and its parent station, WDLT 104.1 HD3 Saraland, have switched to Sports as “Jox Mobile.” It features a bit of programming from co-owned WJOX 94.5 Birmingham and ESPN Radio.

## CA

It got old soon. K292HC 106.3 Los Angeles and its parent, KLLI HD2 93.9 in LaLaLand, had been stunting with AI generated content to promote the relaunching of Slice soda. Now the pair will identify as “RAIN,” with K-Pop hits. Wonder if that will get old, too.

## FL



Omni Broadcasting's W232CF Fort Walton Beach is back to Conservative Talk after a try at Classic Alternative. The station repeats the HD3 channel of WTKE Niceville. It's now known as “94.3 FTW.”

## KS

Classic Hits KLEY 1130 and K281DI 104.1 Wellington KS have switched to Gold based Country as “Thunder Country.” It actually is in Thunder country....Wichita Thunder, that is. KLEY is a regular here on 1130, mixing with KWKH Shreveport.

## KY

It's all groovy in Louisville after Summit Media flipped Adult R&B “103.9 The Groove” WRKA Louisville to Classic Country. The station is now known as “Kentucky Straight 103.9.”

## MN

Lakeland Media has flipped it's recently purchased KSCR 93.5 Benson MN from Classic Hits to Classic Country.

## NC

WZGV Cramerton and it's translator, W248CO 97.5 Charlotte, have dropped ESPN Radio programming and moved to Sports Betting from VSiN network. It's branded as “InsideTheGame.bet.” Good luck with that.

## OK

KIRL-LP 103.3 Guthrie is now on the air with a SS Christian format. Once their new studio is built at the church that owns the station, the format will have a mix of SS and EE programming. Heard this one while in Guthrie recently. Gonna be tough to hear this one here in Yukon, with a 103.3 translator in south OKC and a powerhouse rocker in Tulsa.

## OR

Sports KFXX 1080 Portland now has an FM partner. KRSK 105.1 Molalla is now the dominant station in the pair, with "105.1 The Fan" being the moniker for both stations. The move also brings more local talk to the pair.

## TN

W260DH 99.9 Clarksville TN is now Spanish CHR as "La Panera 99.9." It replaces the Soft AC "EZ99.9" heard on the station and the station it rebroadcasts, WQEZ 1370 Fort Campbell KY.

## VA

In Norfolk, iHeart is moving the low-rated Black Information Network from WNOH 105.3 to WHBT 92.1 Moyock NC. The move replaces Classic Hip Hop on WHBT, and leaves WNOH stunting with Christmas music.

## WI

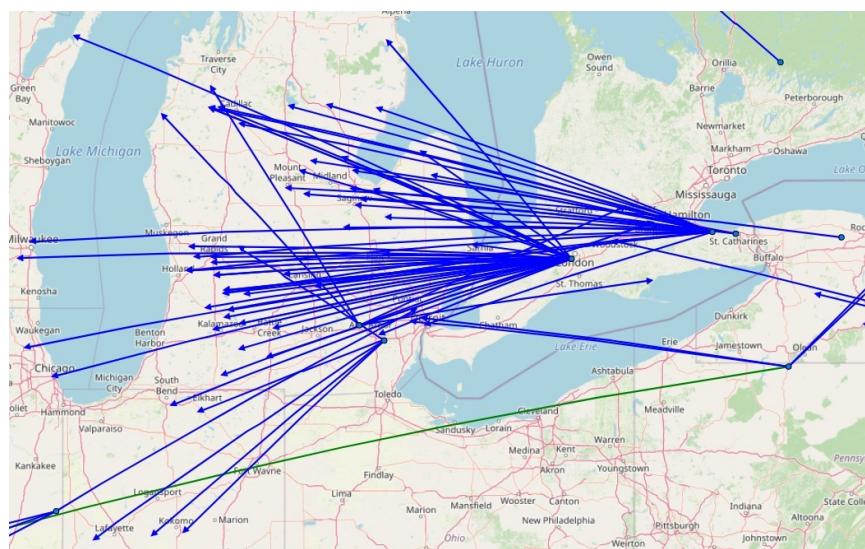
WRVM, Inc., spent \$150K on WJRF 89.5 Duluth and switched the station to it's religious "Voice of the Master" network. They bought it from University of Northwestern-St. Paul, which ran it as a CCM station.

=====

Sources: Indianaradio.net, Northpine, RadioInsight, Hisair.net, LPFM Database, IRCA's DX Monitor, InsideRadio, and radio biz connections



2025 Marks the 12th anniversary of the WTFDA FM Station Database, an invaluable resource to the AM and FM DXing communities.



Morning Tropo on July 29, 2025

## A mysterious, 100-year solar cycle may have just restarted — and it could mean decades of dangerous space weather

By [Harry Baker](#) published April 7, 2025

New research suggests that the unexpected intensity of the ongoing solar maximum may be partly tied to a lesser-known, 100-year solar cycle. If true, solar activity could spike further in the coming decades. But some experts are skeptical.



*A new paper suggests that a mysterious 100-year solar cycle, known as the Centennial Gleissberg Cycle, may have just "turned over." (Image credit: NASA/SDO/AIA/LMSAL)*

The unexpected surge of solar activity during the ongoing [solar maximum](#) may be tied to a lesser-

known, 100-year-long cycle that is just beginning to ramp up again, a new study suggests.

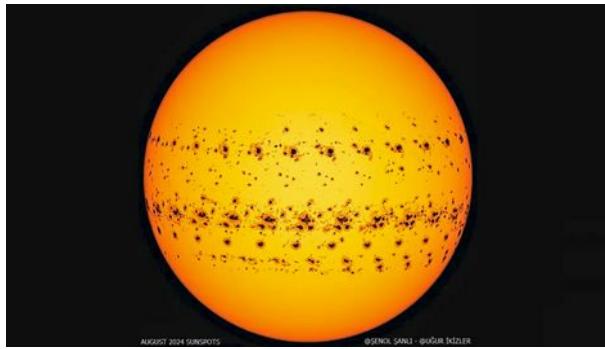
If that's true, the next few decades could see further increases in solar activity that may threaten Earth-orbiting spacecraft and continue to trigger [vibrant auroras](#) across the globe. However, other experts are skeptical of the new findings.

Solar activity naturally waxes and wanes throughout the solar cycle — a roughly 11-year period in which our home star goes from being mostly calm in a phase called solar minimum to being a chaotic mass that frequently [spits out powerful solar storms](#) at solar maximum, and back again. This cycle is also known as the "sunspot cycle" because the [number of dark patches on the sun rises and falls](#) due to changes in the sun's magnetic field, which [completely flips during solar maximum](#).

However, there are several other cycles that dictate solar activity. One example is the Hale cycle, which governs how individual magnetic bands move across the sun's surface and has recently been shown to [influence the progression of the sunspot cycle](#).

Historical records also show that the sun has experienced several [long-term fluctuations in solar activity](#) over the past few millennia. These included the Maunder Minimum — a period of greatly reduced solar activity between 1645 and 1715.

Another, lesser-known repeating pattern in solar activity is the Centennial Gleissberg Cycle (CGC) — a variation in the intensity of sunspot cycles that rises and falls every 80 to 100 years. The CGC is still poorly understood, but it is likely tied to "subtle sloshing" of the magnetic fields in each of the sun's two hemispheres that slightly alters the Hale cycle, [Scott McIntosh](#), a solar physicist at the newly formed space weather solutions company Lynker Space, who was not involved in the research, told Live Science.



*The 11-year solar cycle is often referred to as the "sunspot cycle" because the number of dark patches on our home star rises and falls either side of solar maximum. This timelapse image shows all the sunspots during August 2024. (Image credit: SDO/[Senol Sanli](#)/[Uğur İkizler](#))*

In the new study, published March 2 in the journal [Space Weather](#), researchers suggest that the CGC might have just "turned over," or started again. This could also explain why the ongoing solar maximum, which [officially began in early 2024](#), has ended up being [much harder to predict than initially expected](#).

The study team came to this conclusion after analyzing changes to the "proton flux," or number of positively charged particles, in Earth's inner radiation belt — the first of two [doughnut-shaped bands of charged particles](#) surrounding our planet. Collectively, these bands are known as the Van Allen belts.

The inner belt's proton flux decreases when solar activity increases because of interactions with Earth's upper atmosphere, which swells as it [soaks up more solar radiation](#). On the flip side, the proton flux increases as solar activity decreases.

The new analysis shows that the flux increased over the past 20 years but has just started decreasing over the past year or so. This suggests that we have "just passed the CGC minimum" and that average solar activity will start to rise again, study lead author [Kalvyn Adams](#), an undergraduate researcher at JILA, a joint institute of the University of Colorado Boulder (CU Boulder) and the National Institute of Standards and Technology, told Live Science.

The proton flux data were collected by National Oceanic and Atmospheric Administration (NOAA) satellites as they passed through the South Atlantic Anomaly (SAA) — a [mysterious dent in Earth's magnetic field](#) above South America and the South Atlantic Ocean where our planet's protective shield is the weakest. This was a key reason these trends became apparent, the researchers said.

"The SAA is a region where the Earth's magnetic field is weak and allows trapped protons to reach lower altitudes," Adams said. This allows the NOAA spacecraft to "see into" the inner radiation belt without having to fly directly into it, which would be extremely tricky, he added.

## Surprising solar activity

We may be [nearing the end of the maximum phase](#) of the current sunspot cycle, Solar Cycle 25 (SC25). This peak has been very active and has included some extreme space weather events, such as a [supercharged geomagnetic storm in May 2024](#) that triggered some of the [most widespread auroras in the past 500 years](#). However, this flourish of activity was not initially expected.

During the previous sunspot cycle, SC24, the sun was surprisingly quiet throughout solar maximum. This led space weather experts from [NASA](#) and NOAA to initially forecast that the same would happen during SC25, which they [later admitted was a mistake](#).

The new research hints that SC24's lull was caused by the CGC minimum, likely making it the quietest sunspot cycle for around a century. If this is the case, then the unexpected activity of the current solar maximum means the sun is returning to "business as usual," McIntosh said.

Previous research had already suggested that the CGC may have played a role in the recent sunspot cycle confusion, including a [2023 study](#) from members of Adam's research group and a [2024 paper](#) that analyzed sunspot patterns with machine learning. However, the

most recent findings are the first to suggest that the CGC minimum may be over.

The new study also suggests that the CGC may have a greater influence on the sunspot cycle than researchers previously realized, Adams said. As a result, solar cycle forecasters should "definitely" keep a closer eye on this phenomenon when predicting upcoming cycles, he added.

## More to come?

If the CGC is turning over, then upcoming sunspot cycles will likely be as active as the current cycle and could eventually get stronger as we approach the CGC maximum, the researchers wrote.

"We just passed the CGC minimum, and it will be another 40 to 50 years before the CGC maximum," Adams told Live Science. "As a result, the next CGC maximum will likely occur around Solar Cycle 28."

Using "back-of-the-envelope calculations," we can assume that when this happens, solar activity could be around twice as high as it has been during the current maximum, Adams added. However, it is hard to tell for sure, because the CGC's effect on solar activity "can be a little inconsistent," he admitted.

If future solar maxima are more active than the ongoing peak, it could spell trouble for satellites, which can be knocked out of orbit as Earth's upper atmosphere swells. Several spacecraft have [already fallen foul of this](#) in the past few years. However, the problem could get worse in the coming decades due to the [rapid expansion of private satellite megaconstellations](#) that may be ill-equipped to deal with radiation spikes.

"Most [private] satellites usually take into account a model of the space climate when they are being made," Adams said. But they "are not considering the long-term variations that we are seeing."

Increased solar activity could also be a problem for astronauts, who are vulnerable to harmful radiation

shooting out of our home star, Adams added. And there will likely be lots more people in space in the coming decades due to upcoming missions to the moon and Mars, as well as an [increase in private spaceflight](#).

## An uncertain future

But not everyone completely agrees with the new findings.

McIntosh, who was one of the first researchers to correctly forecast SC25 when he previously worked at the National Center for Atmospheric Research at CU Boulder, told Live Science that it is "too early" to make any firm conclusions about the CGC.

The main issue is that proton flux has only gone down over the past year, so it could just be a temporary dip caused by the natural variability of the sun, McIntosh said. As a result, the study team probably needs a couple more years of data for their results "to be definitive," he added.

There's also no baseline data for comparing CGC cycles, since satellites have only been able to accurately track proton flux over the past 30 to 40 years.

McIntosh also warned that the new study could be overestimating the effects of the CGC on the sunspot cycle, because we still don't know how the two cycles interact. At present, researchers are also struggling to agree on what the CGC is and how we define it, he added.

However, while McIntosh does not entirely agree with the new study, he did say it is "intriguing" and "well intentioned," and that the findings could help forecast the next sunspot cycle. While the CGC remains mysterious, it is likely "an intrinsic part of the [sunspot cycle] puzzle," he added.

-end-

Since it can be difficult these days to find spec sheets for the TEF6687 IC, I thought that I would provide the differences shown on NXP's TEF668X spec sheets. All of the many other specs are the same for both including the mono receive sensitivity. It would not surprise me if the Chinese have a clone TEF6686 IC available. They are much less likely to have a TEF6687 clone available. (Bill Hohnstein on the FMDX-NA Email list 7/16/25)



# TEF668X

Low IF Tuner High performance One-chip

Rev. 4 — 15 January 2014

Product data sheet



## 1. General description

The Low IF Tuner High performance One-chip family TEF668X, are single-chip radio ICs including an AM/FM radio tuner and software-defined radio signal processing. They extend NXP Semiconductors broad, industry-proven car radio single tuner portfolio, offering outstanding radio performance with the widest range of features and state of the art software algorithms at most optimized system costs.

The high-end single tuner family is available in HVQFN packages occupying the smallest PCB space and are suitable for dual- and multi-layer PCBs. The radio receiver includes highest feature sets:

- FM/AM front-ends
- Tuning synthesizer
- Channel filtering
- FM Channel Equalization
- FM multipath improvement
- Demodulation
- FM stereo decoding
- Weak signal processing
- Noise blanking
- RDS
- Provides an interface to a DARC demodulator/decoder

The TEF6687 and TEF6689 include an additional high-end feature, FMSI, which noticeably enhances the stereo performance of the receiver.

- FM Stereo Improvement algorithm - FMSI (TEF6687 and TEF6689)

The FMSI feature is available for the TEF6687 and TEF6689 and offers significant improved FM stereo performance. Conventional receivers blend from stereo to mono at medium signal levels of 40 dB $\mu$ V to avoid the FM stereo noise being audible. With FMSI the stereo to mono blend is extended down to very weak signal levels of 10 dB $\mu$ V without excessive stereo noise.

$a_{CS}$	channel separation	$\Delta f = 67.5 \text{ kHz}; f_{AF} = 1 \text{ kHz};$ $\Delta f_{pilot} = 7.5 \text{ kHz}$						
		$V_{i(RF)} = 20 \text{ dB}\mu\text{V}$	<b>TEF6687 Only</b>	[1]	-	30	-	dB
		$V_{i(RF)} = 60 \text{ dB}\mu\text{V to } 120 \text{ dB}\mu\text{V}$		45	-	-	-	dB

# TV DX and Photos

Eric Bueneman N0UIH 631 Coachway Ln, Hazelwood, MO 63042-1347  
Email: n0uiheric@gmail.com - Deadline the 10th of the month



E-Skip has been non-existent in my area this summer...which likely makes it my second straight summer without E-skip. My last E-skip opening was on June 11, 2023. But the tropo has been improving, breaking the 250-mile barrier for the first time this season on July 24.

## Eric Bueneman, Hazelwood, MO

1984 Samsung 19-inch color TV, 1992 Panasonic 19-inch color TV, 1999 Daewoo 13-inch color TV, two Zenith DTT-901 ATSC-1 tuners, ADTH X23A3U-22 ATSC-1/ATSC-3 tuner, Channel Master CM3020 VHF/UHF/FM Yagi at 28 feet (8.5 m) above ground level. *All times CDT, distances in miles/kilometers.*

### July 24, 2025 (tr)

0130 WCIX 11-1 (49-1) IL, Springfield (local programming)	80/128
0130 WCIX 11-2 (49-2) IL, Springfield (WCIA 34)	80/128
0131 WCIX 11-3 (49-3) IL, Springfield (Ion Mystery)	80/128
0131 WCIX 11-4 (49-4) IL, Springfield (Laff)	80/128
0142 WILL 9-1 (12-1) IL, Urbana (PBS)	155/249
0142 WILL 9-2 (12-2) IL, Urbana (PBS Kids)	155/249
0144 WILL 9-3 (12-3) IL, Urbana (Create)	155/249
0239 WAND 20-1 (17-1) IL, Decatur (NBC)	110/177
0240 WAND 20-2 (17-2) IL, Decatur (Cozi TV)	110/177
0241 WAND 20-3 (17-3) IL, Decatur (Ion)	110/177
0242 WAND 20-4 (17-4) IL, Decatur (Ion Plus)	110/177
0243 WAND 20-5 (17-5) IL, Decatur (Court TV)	110/177
0244 WAND 20-6 (17-6) IL, Decatur (Me-TV)	110/177
0304 WEIU 30-1 (51-1) IL, Charleston (PBS)	130/209
0307 WEIU 30-2 (51-2) IL, Charleston (FNX)	130/209
0308 WICD 32-1 (15-1) IL, Champaign (ABC, //WICS 15)	150/240
0309 WICD 32-2 (15-2) IL, Champaign (Comet)	150/240
0309 WICD 32-3 (15-3) IL, Champaign (Roar)	150/240
0309 WCCU 32-1 (27-1) IL, Urbana (Fox)	155/249
0357 WBBM 19-1 (2-1) IL, Chicago (CBS, ex-RF 12)	255/410
0359 WGN 19-1 (9-1) IL, Chicago (local programming)	255/410
0400 WLS 22-1 (7-1) IL, Chicago (ABC)	255/410
0401 WXFT 22-1 (60-1) IL, Aurora (UniMAS)	235/378

Chicago made it in for the first time this season. Noted WBBM now sharing a channel with WGN...I'm assuming that RF 12 is being used for ATSC 3.0 in the Windy City. The only Windy City channel share (without being blocked by a local) I have yet to log is WMAQ/WSNS 21. Central Illinois has two such channel sharing operations: WICS and WRSP 15 and WCCU/WICD 32, since RF 16 and 36 are being used for ATSC 3.0. The other channels being used for ATSC 3.0 I have are 26 in Saint Louis (KPLR) and 28 in Springfield, MO (KOZL), both owned by Nexstar. DTV total is now at 229.

Here are six video captures from that opening:



WCIX 11-1 (49-1) Springfield, IL  
80 miles (128 km) tropo  
Seen July 24, 2025



WCIX 11.2 (49.2) Springfield, IL  
80 miles (128 km) tropo  
Seen July 24, 2025  
(relay of WCIA 34 Champaign, IL)



WEIU 30.1 (51.1) Charleston, IL  
130 miles (209 km) tropo  
Seen July 24, 2025



WEIU 30.2 (51.2) Charleston, IL  
130 miles (209 km) tropo  
Seen July 24, 2025



WLS 22.1 (7.1) Chicago, IL  
255 miles (410 km) tropo  
Seen July 24, 2025



WXFT 22 (60) Aurora, IL  
235 miles (378 km) tropo  
Seen July 24, 2025

Just a gentle reminder...I'm still looking for reports from other WTFDA members. This column doesn't revolve around Ryan Grabow and yours truly, you know! With that, another column is in the book...please report! 73 and good DX from the Florissant Valley Dial Twister.

End