Results of the 2025 CQ World Wide WPX CW Contest

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"My first time in WPX, and it was a blast! Between the high activity levels, loads of mults, and the scoring structure, it was a ton of fun" - KD1MC (N1CFO)

"... a great weekend with a lot of friends around" - PY2NY

"The activity and scoreboard kept me in the chair" - NK4O

"Lots of activity making for a very enjoyable event" - N2MF

"Conditions were certainly entertaining. Especially after the big solar flare on Sunday" - V49K (AC6ZM)

"... Propagation on the high bands seemed unpredictable and kept wandering all over" - K7QA

"This year's WPX CW was nothing short of spectacular! From the very first CQ call to the final dits and dahs, we shared a weekend filled with thrilling pileups, unforgettable QSOs, and the best kind of contesting camaraderie" - ZW5B

There were two notable themes in the Soapbox and 3830scores.com comments following the 2025 CQ WPX CW contest. First, the camaraderie among operators was strong, along with the mutual admiration of competitor accomplishments. Many participants were delighted to contact their lifelong friends from around the world, even if the exchange was brief. Also, competitors often praised the results of their peers - this is a testament of ham radio spirit at its best. The other major theme was that high band conditions were erratic with 10 meters disappointing across the board.

The number of operators participating in the 2025 CQ WPX contest was a record 6,661, surpassing the previous high set in 2021. A total of 5,918 logs were received, which was up by 483 (9%) from 2024 levels. Despite the growth in participation, the number of reported QSOs was up only slightly from last year, at 2.6 million, as shown in Figure 1.

	Continent							
Metric	AF	AS	EU	NA	OC	SA	ALL	2024
Logs	29	1,025	2,958	1,545	183	178	5,918	5,435
Operators	43	1,212	3,325	1,672	204	205	6,661	6,127
DXCC	14	31	59	18	12	13	147	136
Prefixes	21	279	859	488	77	89	1,813	1,763
Reported QSOs By Band (Post Log Checking)								
160M	22	544	17,613	571	7	0	18,757	11,886
80M	907	5,989	115,634	10,599	323	163	133,615	109,306
40M	4,959	38,240	368,793	127,663	5,525	6,843	552,023	475,293
20M	11,106	89,343	564,297	263,465	13,219	11,811	953,241	870,298
15M	13,211	160,477	366,210	217,285	23,145	20,418	800,746	865,986
10M	8,427	34,120	59,062	26,430	13,505	27,690	169,234	284,011
All	38,632	328,713	1,491,609	646,013	55,724	66,925	2,627,616	2,616,780
Average Productivty								
QSOs/Log	1,332	321	504	418	305	376	444	481
QSOs/Opr	898	271	449	386	273	326	394	428

Figure 1. 2025 Activity Summary by Continent

So why did an increase in operators not spawn a commensurate uptick in QSOs? Conditions were the culprit. Figure 2 shows that while geomagnetic conditions were generally quiet, the solar flux indices were down as compared to 2024 by around 20 points. Further, Day 2 included an X1.1 Class and three M Class flares, along with enhanced solar winds. These conditions were detrimental to high band productivity, particularly on 10M.

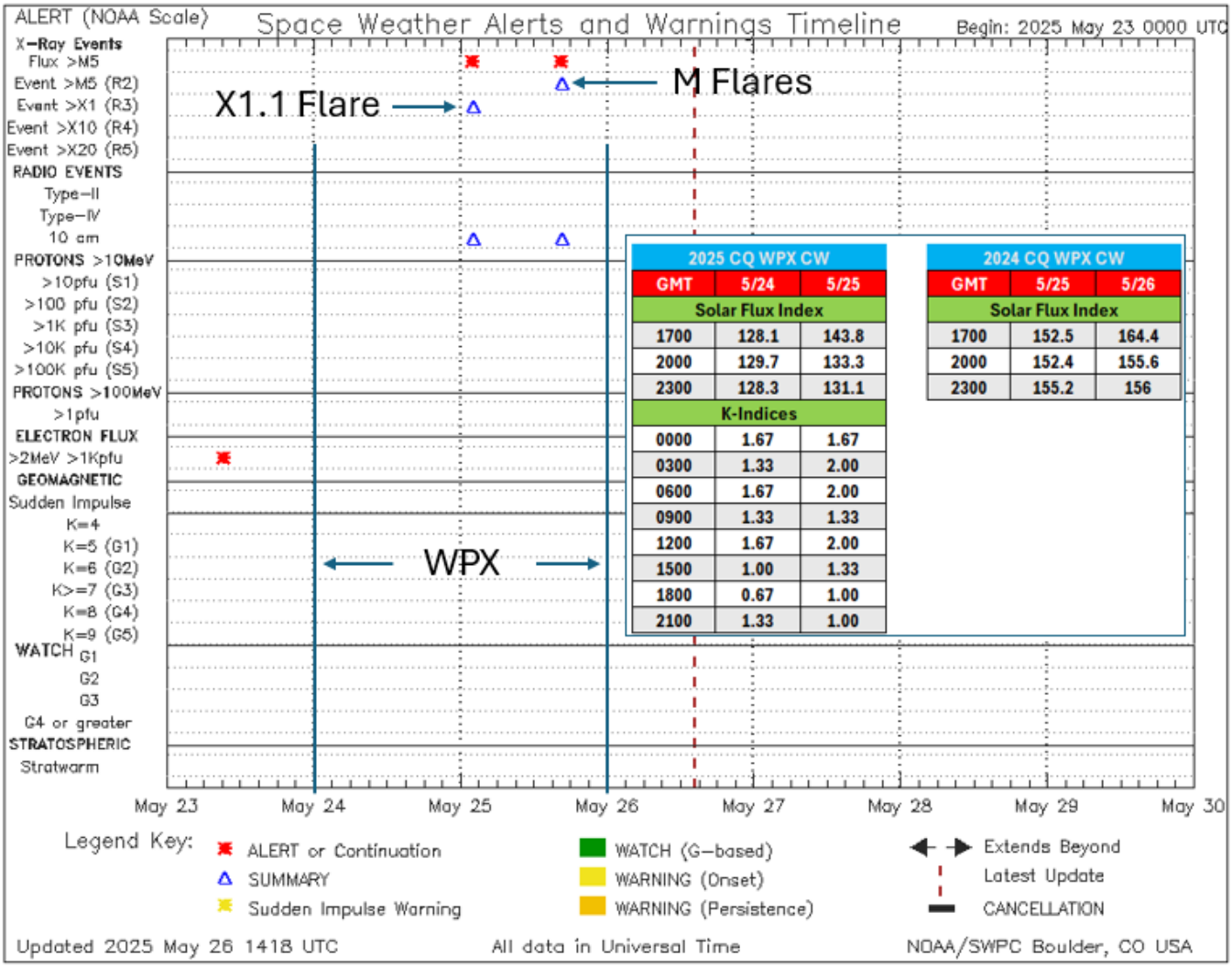


Figure 2. NOAA Space Weather Prediction Center Alerts and Warning Timeline – 23 to 30 May 2025

Superb Single Operator Results

Single Operator participation levels were amazing! There were 5,390 Single Operator entries, which is up by 441 as compared to 2024. A breakdown of Single Operator category selections by continent is provided in Figure 3. All Band, and Low Power, were the most popular category choices, and 15M was most selected for single band operations.

	Continent							Average per Entry		
2025 Category	AF	AS	EU	NA	OC	SA	All	Op Time (Hours)	Score Reduction	All 2024
Single Op High Power Entries										
All Band	8	193	618	525	28	23	1,395	15	9%	1,262
160M	0	1	15	1	0	0	17	9	10%	12
80M	0	2	24	3	0	1	30	15	8%	25
40M	0	6	54	14	0	4	78	15	10%	73
20M	1	12	93	36	4	4	150	14	9%	108
15M	1	48	69	27	11	5	161	14	9%	132
10M	2	14	37	6	9	9	77	13	7%	112
Single Op Low Power Entries										
All Band	8	363	1,052	643	59	47	2,172	12	11%	2,027
160M	0	1	13	3	0	0	17	6	11%	5
80M	0	5	40	3	0	0	48	9	11%	35
40M	0	17	93	15	6	1	132	10	11%	91
20M	0	39	158	46	3	7	253	11	11%	240
15M	0	122	114	37	25	6	304	10	13%	273
10M	3	36	66	13	8	26	152	9	12%	178
QRP Entries										
All Band	2	31	95	46	6	7	187	11	9%	188
160M	0	0	6	0	0	0	6	5	5%	6
80M	0	1	12	3	0	0	16	7	5%	10
40M	0	8	11	6	4	1	30	10	9%	22
20M	0	8	38	13	1	2	62	9	10%	52
15M	1	24	20	8	5	2	60	8	11%	44
10M	0	11	15	5	4	8	43	8	17%	54

Figure 3. Single Operator Participants by Continent

Figure 4 shows operating hours by power levels for the Single Operator All Band categories; about 60% of the participants exited after 12 hours and 90% by 24 hours. A total of 171 operators were active for 36 hours including 136 All Banders and 35 Single Banders. Overall, the average single operator was active for 12.3 hours, which is down slightly from last year (12.6).

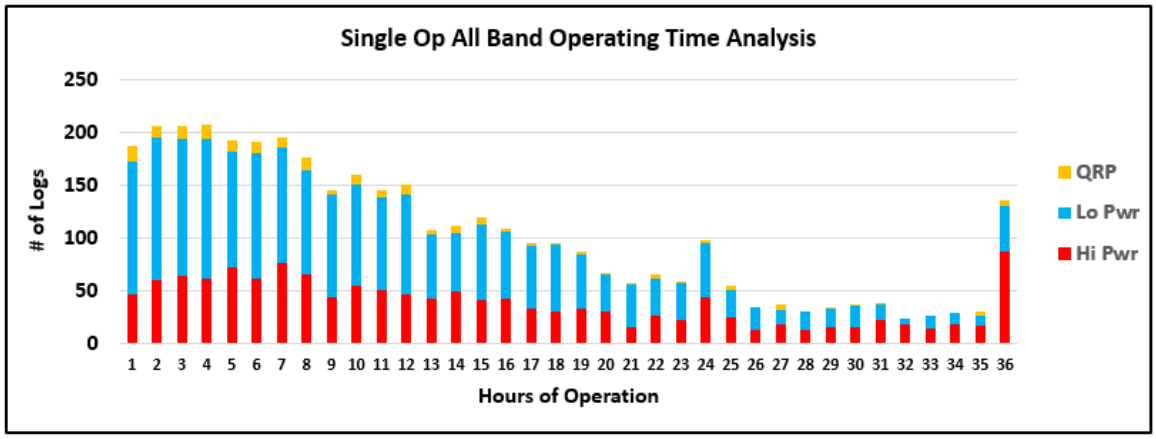


Figure 4. Single Op All Band Operating Time Histogram

The Single Operator, All Band, competition was intense and the results incredible. Both CQ9A (KL9A) and D4DX (E77DX) broke the world record. CQ9A achieved 29.8 million points to earn a place in the records book and the win. Third place went to 8P5A (W2SC) who set a North American record. ND3T (LZ5DB) operating from K1LZ now holds the USA Single Operator record. A world record was also set by CR3DX (OM3RM) in the Low Power Single Operator category, followed by UN4Q in second place with an Asian record. DM2M (DK3WE) won the QRP Single Operator category for the third time; second place went to DK7HA.

Congratulations to PS2T (PY1NX) on breaking the Single Operator 10M Low Power world record, as well as OM0RX for setting a 40M QRP world record. Additional single band highlights included new continental records by: 5Z4A (5Z4VJ) – 10M High Power; TM6M (F4DXW) – 20M Low Power; VP9/VE3DZ – 40M Low Power; YB9DE – 10M QRP; K5RX – 15M QRP; 4F3BZ – 15M QRP, and KA1IS – 40M QRP.

The effort by VP9/VE3DZ was particularly impressive; Yuri originally planned on an all-band, low power entry, but experienced a tower collapse while troubleshooting the tribander at VP9GE. Fortunately, no one was injured, and Yuri adjusted his plans to leverage a 40M dipole that survived the tower collapse.

Optimum Overlays

The Single Operator Tribander – Wires (TB-Wires) Overlay is for participants with antennas that meet the following requirements: a single feedline for the single antenna used on 20M / 15M / 10M and single element antennas for 160M, 80M and 40M. Separate receiving antennas are not permitted. This was the most popular Overlay in 2025, as shown in Figure 5, with an increase of 27 entries over last year. There was a close race between ZF2SS (KO7SS) and UP4L (UN7LZ) in the High Power TB-Wires Overlay with ZF2SS as the victor; this was ZF2SS's second consecutive win. WP4X (NP4Z) planned to do a little operating but got hooked and ended up winning the Low Power TB-Wires Overlay. DK6SP was a close second.

The Classic Overlay is for Single Operators using one radio, without QSO finding assistance, and their score is based on the first 24 hours of on-time. There were 561 Classic Overlay entries, up by 38 from last year, and 67 of the entries operated 24 hours. S53R visited 9K2HN on his way back from assignment in Nepal and set a new continental High Power Classic Overlay record. Second place was taken by P49Y (AE6Y). The Low Power Classic winner and runner-up both set continental records – congratulations to UP7L (UN6LN) and KG9X.

The Rookie Overlay is intended to attract new contestants licensed for three years or less. The Rookie Overlay saw a growth of 9 participants as compared to 2024. Of the 60 Rookies this year, 22 were in their final year of eligibility, 21 in Year 2, and 17 in Year 1. HA1TMP and OK4NEO were both licensed in 2024, entered WPX CW in 2025 for the first time and dominated the High Power and Low Power Rookie overlays respectively.

The Youth Overlay targets operators aged twenty-five or younger. There were 44 Youth Overlay participants, which is down by 13 from 2024. Ages ranged from 10 to 25 with an average of 18. The High Power Youth Overlay winner was WI0WA (W0AAE), age 20; this was W0AAE's fourth WPX CW effort, so he is a veteran! Second place went to KT5J (W7WLW), age 24, operating at K5TR. Kudos to JM8VFO (JI1VHV), age 18, on setting a new High Power Youth Overlay continental record. DJ4MX, age 23, has been participating in the CQ WPX CW contests since 2018, and broke the world record in the Low Power Youth overlay this year. Sven cites the online score board as the motivation for his victory.

2025 Category	Continent						All	Average per Entry		All 2024
	AF	AS	EU	NA	OC	SA		Op Time (Hours)	Score Reduction	
High Power Overlay Entries										
TB-Wires	2	34	116	101	8	6	267	16	9%	252
Classic	1	24	65	32	8	7	137	14	8%	140
Rookie	0	0	3	2	0	0	5	20	23%	5
Youth	0	2	1	2	0	0	5	21	16%	14
Low Power Overlay Entries (Includes QRP)										
TB-Wires	2	65	218	160	16	12	473	14	9%	461
Classic	3	58	248	88	15	12	424	11	11%	383
Rookie	0	14	23	14	3	1	55	10	13%	46
Youth	0	13	18	7	1	0	39	9	11%	43

Figure 5. Single Op Overlay Participation Summary

Magnificent Multi-Op Accomplishments

Figure 6 shows the breakdown of Multi-Op participation by continent. Overall, there were 207 multi-operator stations staffed by 935 operators. This is up by 2 logs and 49 operators from 2024.

Members of the P3N and P33W teams joined together as P3AA to dominate the Multi-Single High Power category. VA2WA's first Multi-Single High Power operation focused on the low bands to capture second place. CQ3W at CR3W set a new continental record to win the Multi-Single Low Power category. VP5M, featuring the recent Contest Hall of Fame inductee, K4BAI, along with K4QPL, KK4R, and WT3K took second place. The Multi-Op-Two Transmitter category was extremely competitive - A62A took first place, followed by ES9C in second and the recently rebuilt station LZ5R in third. The Multi-Multi category was won by the team at 9A1A who also set a new continental record. The K3LR crowd entered the Multi-Multi category in CQ WPX CW for the first time, engaging in an extremely close race with KC1XX that was ultimately decided by the log checking, with the victor K3LR setting a new USA record. Congratulations to the stations that comprised DP7D on their first entry and win of the Multi-Distributed category and to KQ7I for their second consecutive Multi-Distributed category win in the USA.

2025 Category	Continent						All	Average per Entry		All 2024
	AF	AS	EU	NA	OC	SA		Op Time (Hours)	Score Reduction	
Multi-Single HP	0	19	46	15	2	4	86	34	11%	84
Multi-Single LP	1	17	27	5	3	1	54	23	11%	58
Multi-Two	0	6	23	11	1	2	43	41	10%	33
Multi-Multi	0	4	7	5	1	1	18	41	9%	19
Multi-Distributed	0	2	3	1	0	0	6	39	8%	11

Figure 6. Multi-Operator Participation Summary

Operating Excellence - Rate, QSO Points, Prefixes and Accuracy

When preparing for a serious contest effort, I find it beneficial to study the logs of high performing entrants. I focus on their band choices, geographic emphasis, running versus search and pounce productivity, and off time selections. I use this information to develop summary goals and hourly operating targets / plans. I include "benchmarks" in my summary goals for QSO points / QSO, multipliers / QSO, and average rate to monitor my productivity. This approach is particularly beneficial for the WPX contests because of the diversity of multipliers, band and geographic dependent QSO point values, and single operator off-time requirements. After the results are released, I carefully analyze my log checking report to understand the causes of my lost points. The following tables are illustrative of data that can be leveraged for maximizing WPX contest scores.

Rate is a dominant factor in most contest operations. A total of 19 rate stalwarts made it onto the Best 60 Minute QSO Rate Top 20 list for their categories as shown in blue in Figure 7. Behold the K3LR Mult-Multi team's blistering rate of 546 QSOs per hour during the first 60 minutes of the contest which is the highest rate ever recorded in CQ WPX CW. The average overall rate for all participants was 35 QSOs / hour.

Call	Rate	Call	Rate	Call	Rate
Single Op High Power		Single Op Low Power		Single Op QRP	
CQ9A (KL9A)	252	CR3DX (OM3RM)	163	LY7Z	94
CR6K (CT1ILT)	250	UT4LW	156	LY9A	85
D4DX (E77DX)	237	UP7L (UN6LN)	151	OL4W (OK1IF)	83
ND3T (LZ5DB)	232	TM6M (F4DXW)	145	DM2M (DK3WE)	77
EF5Y (EB5A)	218	UD8A	139	Multi-Distributed	
NU5A	208	EA5M	138	DP7D	249
LX7I (DK6XZ)	203	WP4X (NP4Z)	136	9H6A	238
8P5A (W2SC)	202	RL4F	136	KQ7I	215
NR7DX (N9RV)	195	DR7T (DF1DN)	131	YU1A	169
EA1X	186	UN4Q	129	BG7TNB	113
Classic High Power		Classic Low Power		Multi-Single High Power	
9K2HN (S53R)	168	UP7L (UN6LN)	151	P3AA	244
KP2M (KT3Y)	166	OL100A (OK1CZ)	126	HG6N	193
WK5T (N2IC)	159	II5T (IK5MEL)	124	DR1D	177
NG7M	157	TA7I	113	II8K	166
P49Y (AE6Y)	153	GM2G (MM0DFV)	108	RL3A	164
Rookie High Power		Rookie Low Power		Multi-Single Low Power	
HA1TMP	80	KN6VQ	79	CQ3W	146
HA1NB	53	OK4NEO	71	VP5M	140
WB5SKM	38	DL6RY	41	WP3Z	120
DM1SV	33	YT2FW	40	SN6Z	120
		2E0JLZ	40	EW2ZC	115
Youth High Power		Youth Low Power		Multi-Two	
WI0WA (W0AAE)	161	DJ4MX	95	LZ5R	342
KT5J (W7WLW)	136	BD8ABR	84	OM7M	340
E76Y	121	BH6IE (BD6IUT)	80	ES9C	315
JM8VFO (JI1VHV)	117	YO8PUF	77	S53M	281
		WV4AM	76	RU1A	281
TB/Wires High Power		TB/Wires Low Power		Multi-Multi	
UP4L (UN7LZ)	158	UT4LW	156	K3LR	556
KH6TU (AD6E)	158	EA5M	138	KC1XX	540
CT3KN	156	WP4X (NP4Z)	136	9A1A	453
MD2C	154	EC4C	124	M6T	400
WN2O (N2GC)	151	9J2FI (DL2RMC)	122	OZ5W	377

Figure 7. Peak 60 Minute Rates. Stations in Blue made it onto the All-Time Top 20 Rate List for their Categories

"Location, location, location" is a real estate mantra that also applies to QSO point generation. Figure 8 shows that three of the four highest QSO point to QSO ratios came from Maderia Island and Cyprus. Surprisingly, the highest ratio was achieved by the Multi-Two team at VE9ML (3.74); they emphasized 40M and QSOs with stations outside of North America. The average QSO point to QSO ratio for all entries was 2.3.

	QSO Points/QSO by Stations Operating 36 or More Hours											
Category	Africa		Asia		Europe		N. America		Oceania		S. America	
Single Op AB HP	CQ9A	3.69	P30A	3.49	OM7K	2.75	VA3TNM	3.26	YB8UTI	3.36	P44W	3.28
Single Op AB LP	CR3DX	3.48	UN4Q	3.45	LY4L	2.55	N2FT	3.20	-	-	-	-
Single Op AB QRP	-	-	JH7UJU	2.46	DK7HA	2.33	N7IR	2.26	-	-	-	-
Single Op SB HP	5Z4A	2.95	UN3M	2.56	9A7V	3.21	VE7JH	2.49	-	-	-	-
Single Op SB LP	-	-	BH7FFR	2.34	OE3WMA	2.50	-	-	-	-	-	-
Multi-Single HP	-	-	P3AA	3.30	DR4A	2.56	VA2WA	3.35	7D1C	3.11	PW2F	3.42
Multi-Single LP	CQ3W	3.67	BI8AQ	2.42	9A925T	2.52	VP5M	2.95	-	-	PT1M	2.79
Multi-Two	-	-	A62A	3.06	DA2X	2.53	VE9ML	3.74	-	-	LT1F	3.44
Multi-Multi	-	-	JA3YBK	2.60	9A1A	2.42	K3LR	2.75	NH7T	3.44	-	-
Multi-Distributed	-	-	BG7TNB	2.50	DP7D	2.48	KQ7I	2.37	-	-	-	-

Figure 8. QSO Point Production Comparisons

The log checking process concluded that there were 2,407 valid prefixes active in the 2025 CQ WPX CW contest. As depicted in Figure 9, the teams at 9A1A, ES9C and KC1XX captured the most multipliers in the multi-operator categories. The single operator leaders were CR6K (CT1ILT), CQ9A (KL9A) and ND3T (LZ5DB). Congratulations to the 9A1A team for setting a new world record for prefix capture in the Multi-Multi category, as shown at Prefix Records by Region. Overall, a new prefix was worth 2.8 QSOs, and the prefix total to QSO total average ratio was 0.57.

	Prefixes Worked/Total Prefixes (%) for Stations Operating 36 or More Hours											
Category	Africa		Asia		Europe		N. America		Oceania		S. America	
Single Op AB HP	CQ9A	56%	UP0L	51%	CR6K	59%	ND3T	56%	YB8UTI	19%	P44W	48%
Single Op AB LP	CR3DX	51%	UN4Q	41%	DJ4MX	47%	WF9A	35%	-	-	-	-
Single Op AB QRP	-	-	JA6GCE	23%	DM2M	37%	N7IR	17%	-	-	-	-
Single Op SB HP	5Z4A	38%	UN3M	37%	YT3X	52%	VE7JH	39%	-	-	-	-
Single Op SB LP	-	-	BH7FFR	27%	TM6M	43%	-	-	-	-	-	-
Multi-Single HP	-	-	P3AA	60%	HG6N	59%	VA2WA	54%	7D1C	35%	PW2F	50%
Multi-Single LP	CQ3W	52%	BY7WZ	38%	S53F	46%	VP5M	49%	-	-	PT1M	27%
Multi-Two	-	-	A62A	63%	ES9C	68%	NI4W	56%	-	-	LP1H	58%
Multi-Multi	-	-	JA3YBK	57%	9A1A	71%	KC1XX	67%	NH7T	49%	-	-
Multi-Distributed	-	-	BG7TNB	29%	DP7D	57%	KQ7I	48%	-	-	-	-

Figure 9. Prefix Capture Performance Benchmarks

Reductions between the release of the raw and final scores changed the top 10 finish order in 21 categories, in some cases by as many as five positions, so emphasis on accuracy is beneficial. The typical score reductions were 9.5% for single-op and 10.1% for multi-op entries, which are similar to 2024 (9.6% for single op and 10.5% for multi-ops). The top three busted calls were A62A as AB2A, NH7T as NS7T, and ES9C as EI9C, all caused by omission of a single dit. Incorrect exchanges were often caused by a single digit errors in the serial numbers. Taking the time to verify the call and exchange will improve your score! Entries with the highest accuracy logs are shown in Figure 10. Note that YU1A, CQ3W, WI0WA (W0AAE) and OK4NEO also appear in Figure 7 (Peak 60 Minute Rates) suggesting that high rates can be achieved without sacrificing accuracy.

Call	QSOs
Best 10, No Reduction	
NW0M	400
EA3NO	257
SM5KQS	212
JK1TCV	194
EW1M	185
JE2BOM	178
DL5XL	170
G5RAR (G4IRN)	168
DL5KUT	167
OL8M	150

Call	QSOs	Reduction
Best 10, Single Op, >1000 QSOs		
DM5EE	1,380	0.9%
E72U	1,350	1.0%
SP9XCN	1,831	1.3%
KR2Q	1,883	1.4%
SP2LNW	1,858	1.4%
DK3YD	1,084	1.5%
N7EPD	1,376	1.6%
DK1KC	1,007	1.6%
DL5JS	1,331	1.7%
DK5DQ	1,178	1.7%

Category	Call	QSOs	Reduction
Best Multi-Op by Category, >500 QSOs			
Multi-Distributed	YU1A	2,027	3.5%
Multi-Single LP	S53F	2,758	3.6%
Multi-Single HP	VA2WA	3,763	3.7%
Multi-Single HP	DR4A	2,879	4.0%
Multi-Single LP	CQ3W	3,814	4.4%
Best Youth and Rookie, >500 QSOs			
Youth	WI0WA (W0AAE)	2,591	11.3%
Rookie	OK4NEO	1,311	6.8%

Figure 10. Exemplary Log Accuracy

Record Busting Scores

There were five world records, and 17 continental records set in the 2025 CQ WPX CW contest as shown in Figure 11. Note that two world records and one continental record came from operations on Maderia Island! Congratulations to all the new record holders. The full list of records is available at CQ WPX CW Records.

		New Record		Previous Record		
Category	Region	Call	Score	Call	Score	Year
Single Op All HP	World	CQ9A (KL9A)	29,819,886	CR3DX (OM3GI)	21,569,807	2021
Single Op All LP	World	CR3DX (OM3RM)	14,595,967	D41CV (YL2KL)	13,881,372	2016
Single Op 10M LP	World	PS2T (PY1NX)	4,301,093	FY5FY	4,008,120	2023
Single Op 40M QRP	World	OM0RX	1,699,170	YP6C (YO6LB)	1,208,870	2020
Multi-Single LP	Africa	CQ3W	17,579,145	CR3W	15,518,965	2024
Single Op 10M HP	Africa	5Z4A (5Z4VJ)	5,452,427	ZS4TX	4,602,028	2001
Single Op All LP	Asia	UN4Q	9,662,800	UN4Q (UA4Z)	9,587,248	2024
Multi-Multi	Europe	9A1A	36,073,560	ES9C	34,805,664	2014
Multi-Two	Europe	ES9C	28,739,926	OM7M	27,181,924	2021
Single Op 20M LP	Europe	TM6M (F4DXW)	4,184,352	YT2T	2,705,599	2015
Single Op All HP	N. America	8P5A (W2SC)	19,029,978	8P5A (W2SC)	18,330,528	2024
Single Op 40M LP	N. America	VP9/VE3DZ	3,146,700	WP3C	2,807,112	2006
Single Op 15M QRP	N. America	K5RX	448,749	K0AV	433,650	2024
Single Op 40M QRP	N. America	KA1IS	1,352,070	TI5A (N0KE)	867,840	2005
Single Op 10M QRP	Oceania	YB9DE	299,700	ZL0AAH	256,665	1989
Single Op 15M QRP	Oceania	4F3BZ	341,880	KH6ZM	169,332	2022
Single Operator Overlays						
Youth LP	World	DJ4MX	6,246,174	DJ4MX	4,796,433	2023
Classic HP	Asia	9K2HN (S53R)	10,251,684	RZ9A	7,056,870	2021
Classic LP	Asia	UP7L (UN6LN)	4,239,130	UN4L	3,115,080	2022
Youth HP	Asia	JM8VFO	3,960,300	-	-	-
TB-Wires LP	Europe	DK6SP	5,877,510	TK9A	5,526,918	2005
Classic LP	N. America	KG9X	2,576,177	KR5X	2,393,373	2022

Figure 11. New World and Continental Records

Club Champions

The Potomac Valley Radio Club (PVRC) and Yankee Clipper Contest Club (YCCC) have been the number 1 or number 2 USA club in CQ WPX contests since 2011. This year PVRC came out on top thanks to their big turn out – they had 189 entries compared to 139 from YCCC. The Bavarian Contest Club (BCC) was the top DX Club for the third year in a row powered by a record 304 entries. Further, BCC won the World

Triathlon Award for their combined WPX RTTY, SSB, and CW scores, and achieved a new world record score of over 593 million points.

Log Checking Statistics and Disciplinary Actions

The CQ WPX Contest Committee is appreciative of participant attentiveness to the log submittal deadline which supported the timely release of raw scores. The log checking process was rigorous: 94.4% of the reported QSOs were checked against another log. Of the checked QSOs, 95.2% were found to be correct; 2.6% had incorrect received serial numbers; 1.5% had incorrect received calls, and 0.6% were not found in the other stations log. The log checking process also benefitted from 319 Checklogs.

A total of 19 concerns were investigated by the Committee. Self-spotting and QSOs on unauthorized frequencies were the most common issues. Other areas investigated included excessive power, use of QSO alerting assistance in the Single Operator Classic Overlay, use of a 40M beam in the Single Operator Tri-Bander/Wires Overlay, and excessive unverifiable QSOs. The Committee levied 16 disciplinary actions including disqualifications (2), warnings (11) and reclassifications (3). Participants are reminded that the majority of CQ WPX CW contest activity is captured using SDR recordings.

In Conclusion….

It is my pleasure to acknowledge all the volunteers supporting the 2025 CQ WPX CW contest. They included: F6BEE, G6NHU, K1AR, K1DG, K1EA, K3WW, K5ZD, K0EJ, KM3T, N3QE, LA6VQ, OH6LI, PA3AAV, S50A, W0YK, and YO3JR. This team was unrelenting in their efforts to administer the contest fairly, maximize participant enjoyment, and deliver timely results with high integrity.

On behalf of the CQ WPX Contest, I would like to thank the record number of operators that toughed out the solar flares and made this one of the most exciting CQ WPX CW contests ever. We hope to see you again in 2026 for the CQ WPX Contest on May 30 and 31.

73,

Bud Trench, AA3B

CQ WPX Contest Director

Stories from the 2025 CQ WPX CW Contest

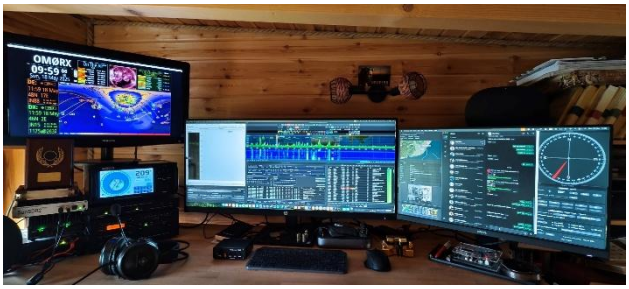
Reflections on the 2025 CQ WPX CW Contest by OM0RX (New World Record – Single Op, QRP, 40M)

As with every contest, I approached this year's CQ WPX CW with careful preparation. My category selection was guided by propagation expectations, operational efficiency, and the ability to rest when needed. Equipped with modern tools — including CW skimming software — I opted for a vertical antenna over a horizontal one, as it allows the software to process all received signals simultaneously. My 40m setup performed exceptionally well, favoring low-angle radiation for long-path DX, though short-skip conditions proved challenging at times. Given my location atop a hill, free from noise and interference, even QRP operation was highly effective.

I firmly believe that the operator, not the hardware, is the decisive factor in contest success. While antennas are critical, a skilled operator can achieve remarkable results even with modest gear—much like a professional photographer creating stunning images with basic equipment. This isn't to say I'm the best; rather, I emphasize that disciplined practice and strategy can compensate for limitations. Not everyone has a large antenna farm, but by optimizing your strongest band, fine-tuning your

setup, and maintaining focus, you can compete effectively.

My rig centers on the SunSDR2 Pro, chosen for its TCI capabilities. For this contest, I introduced SDC's Contest module — a calculated risk after thorough testing — and found it streamlined my workflow. Operating QRP presents challenges, but in a contest environment, they're largely mitigated. Efficient operators can work nearly every station they hear, though some contacts demand patience and strategy.



OM0RX. Single Op, QRP, 40M. New World Record

I operated exclusively in S&P (Search & Pounce) mode, deeming CQ calls inefficient for my goals. External tools like cluster spots or WebSDRs were not used; my skimmer provided real-time data on every station my antenna could detect, allowing me to prioritize multipliers and strong signals. By positioning myself on frequency before a station finished calling, I maximized my QRP impact.

Propagation was outstanding, with most stations booming in at 599+. This allowed for rapid QSOs, though my QRP signal required selectivity—targeting weaker stations later in the contest. The first half was a sprint, with high rates and minimal tuning thanks to full computer control (no physical VFOs). When rates dipped below 10–12 QSOs/hour, I took extended breaks to maintain sharpness.

My biggest challenge was the exchange. Despite using a skimmer, I double-checked every call and exchange, sometimes waiting for post-contact to confirm accuracy. This diligence is reflected in my error rate, but I mitigated it by ensuring comprehensive logging.

The 2025 CQ WPX CW was a highlight—strong signals, seamless contacts, and excellent NA openings. Living off-grid, I prioritize energy efficiency, so high-power amplifiers aren't an option. Yet, years of comparisons show minimal difference in signal reports when antennas and operating practices are optimized.

To those aspiring to improve: Commit to the grind. Operate long hours without distraction. Prep meals in advance. Eliminate coax losses. Fine-tune relentlessly. And above all, refine your strategy. What I've achieved is within anyone's reach—it just demands focus, adaptability, and the right tools.

Recap of the 2025 CQ WPX CW Contest by DJ4MX (New Low Power Single Operator Youth Overlay World Record)

After only participating part-time last year, I aimed for a more serious effort this year. Still, I wasn't all that motivated at the start, so I only got going about an hour after the contest had begun…But that quickly changed — the first night on 40m went great, with tons of NA stations, and the live scoreboard gave an extra boost of motivation.

DJ4MX Single Operator, Low Power, All Band + Youth Overlay World Record

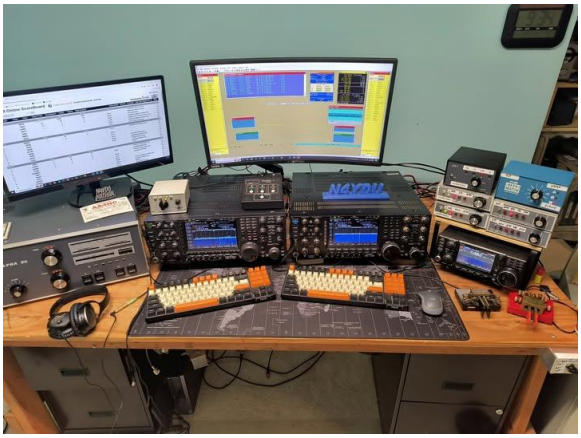
10m was unfortunately a disappointment… no USA, but at least I managed to log a VK2. 15m wasn't particularly good here either… it was okay

toward the East, but I really struggled with NA. Signals were weak and there was about S4 noise in that direction, so I could only work the loudest NA stations… (I ended up working almost all NA mults on either 20m or 40m).

On the bright side, 20m was excellent — open for the entire contest, and the noise toward NA was much more manageable than on 15m. 40m was probably the best band overall. NA came in great both nights, and there was good activity to the East as well. Surprisingly, I was able to break through pretty easily on the heavily contested EU mults. Toward the end of the contest, it often paid off to come back 5–10 minutes after the first spot. 80m was almost entirely EU, with just a handful of AS.

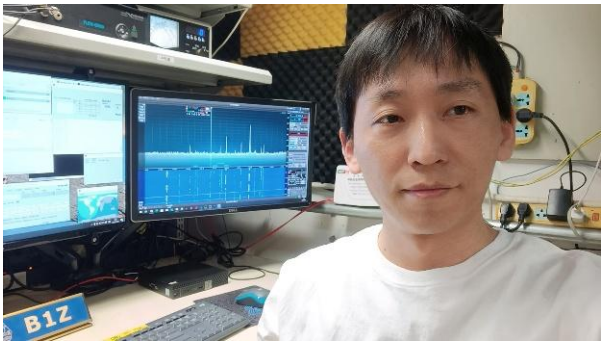
2025 CQ WPX CW Photo Gallery

YB1TIA at 7D1C. Multi-Single, High Power

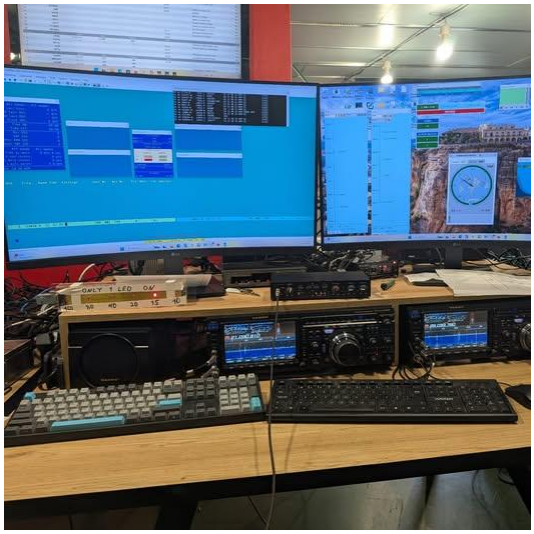


AA4NC (N4YDU). Single Operator, High Power, All Bands

9K2HN (S53R). Single Operator, High Power, All Band + Classic Overlay. 9K2HN on the left, S53R on the right.



B1Z. Multi-Two. Op BD1IIJ

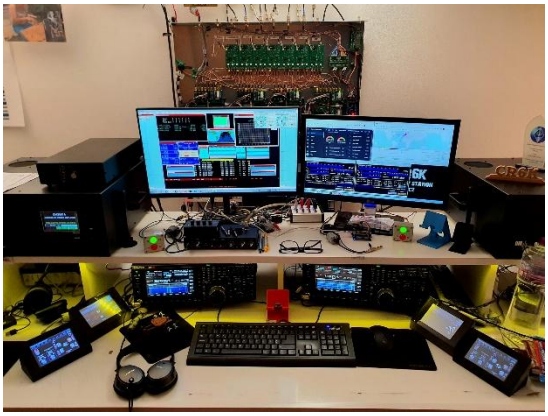


CQ9A operated by KL9A. Single Operator, High Power, All Bands, World Record

E25KAE at E2A. Multi-Single, High Power

CR3DX (OM3RM). Single Operator, Low Power, All Bands, World Record

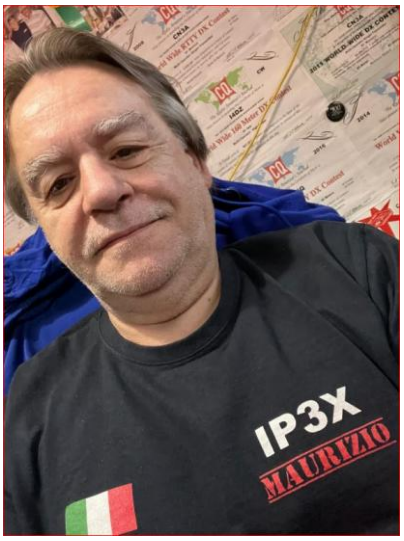
ES9C. Multi-Two. Operators: ES2MC, ES5JR, ES5NY, ES5TV, HA8RT, KX7M, LU1FAM/EA5JPR, RC5A, UR5ECW, UR8UQ, UT5UY, YL1Z, YL3DW YL3JA



CR6K, operated by CT1ILT. Single Operator, High Power, All Bands

IB8A (IT9BLB). Single Operator, High Power, 40M

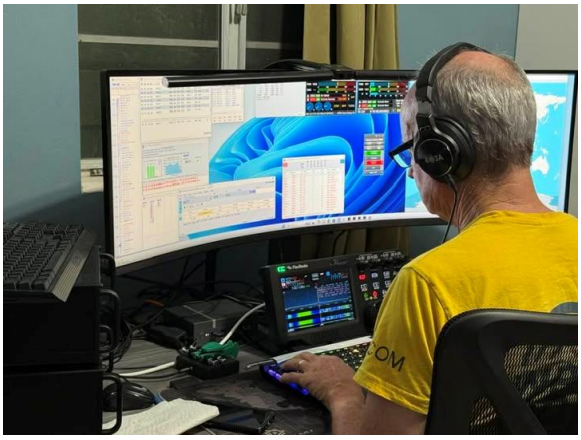
IO5M (IZ5ICH). Single Operator, High Power, 40M



IP3X (IV3ZXQ). Single Operator, High Power, All Bands

K3LR. Multi-Multi. Operators front row: KD4D, DL1QQ, K3LR, W2RQ. Operators back row: VE3RA, N3GJ, N2NC, AD4EB, K3UA, N3SD, K5ZD, N6TVs. USA Record

K8LG. Single Operator, Low Power, All Bands + Youth Overlay



K9VV at KP2B. Multi-Single, High Power

KH6LC. Single Operator, High Power, 10M

Antennas at LN8W Multi-Multi

LY4A. Multi-Single, High Power. Operators: LY2BKT, LY2TS, SO6F/UT3GF, LY3AB, LY5T, LY4A

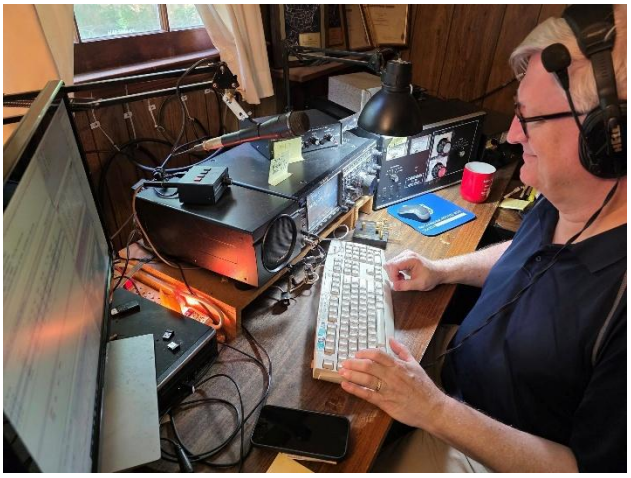
LP1H. Multi-Two. Operators (left to right): LW5HR, LU5DX, LU2PYW

LZ5R. Multi-Two. Operators (left to right): LU9ESD, YO3HEX, K1LZ, YO9WF, YO8XBA, W9GZU, RN5M, YO8TTT

N2JNZ. Single Operator, QRP, 40M

NQ2F Multi-Multi. Op N2TX

NQ2F Multi-Multi. Op NQ2F



NQ2F Multi-Multi. Op KF2T

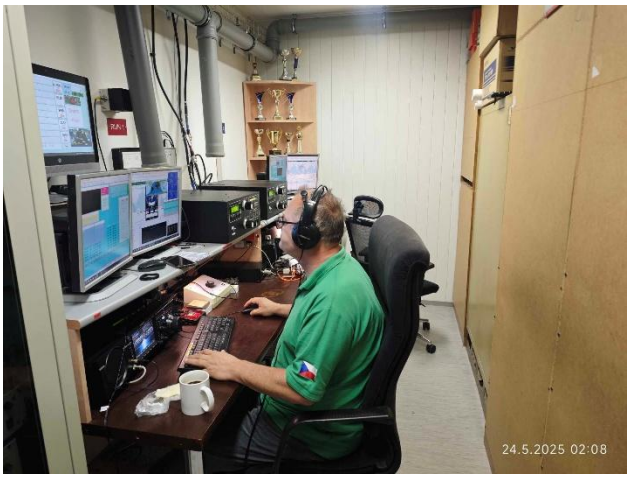
NQ2F Multi-Multi. Op W2JO

NQ2F Multi-Multi. Op KD2RD

NO3Y. Multi-Single High Power. Op NN3W

NO3Y. Multi-Single, High Power. Ops KL2A, N4RV

OE1CIW. Single Operator, Low Power, All Bands



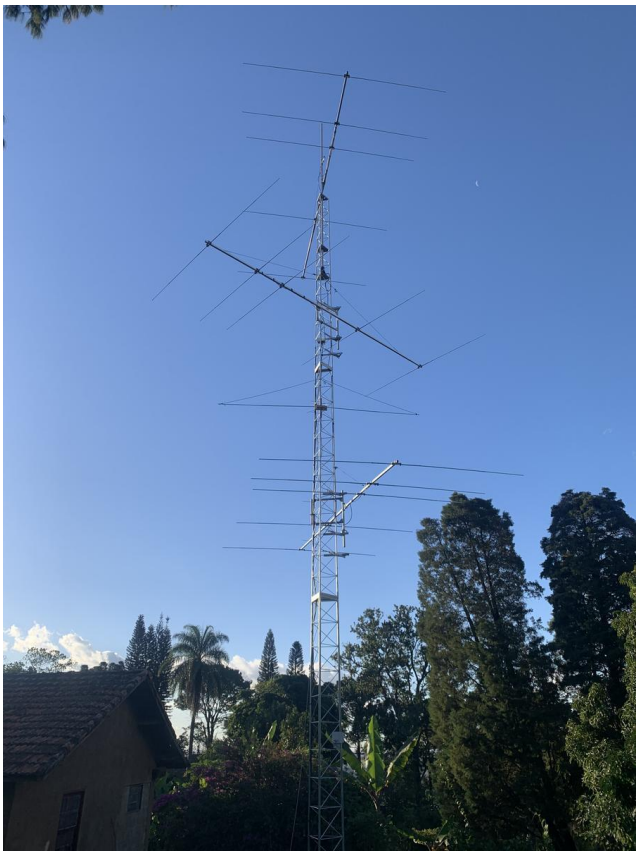
OK5Z. Multi-One, High Power. Op OK2ZI

OK5Z. Multi-One, High Power. Op OK2ZV

PS2T (PY1NX). Single Op, Low Power, 10M + PT2IC (PV2G) with Daughters. World Record

OZ5W. Multi-Multi

PW2F. Multi-Single, High Power. Operators: PY2NA, PY2NDX, PY2WMW, PY2ZEA/OH2MM



PS2T (PY1NX). Antennas at PT2IC (PV2G)

SX9V (SV2DSJ). Single Operator, High Power, 40M

VA2WA Multi-Single, High Power. Op W5MOT (Remote)

VA2WA Multi-Single, High Power. Op VA2WA

VA2WA. Multi Single, High Power. VA2KI (front), WB2AA (back)

WP3Z. Multi-Single, Low Power. Operators: KP3N, NP3A, KP3J, KP4Y, WP4TZ

WX0B (AD5Q). Single Operator, High Power, All Bands

ZM1A (ZL3CW). Single Operator, High Power, 20M + Classic Overlay

YC2VOC. Single Operator, Low Power, All Bands

ZV2F (PY2SFA). Single Operator, Low Power, All Bands

Top Scores – WORLD

SINGLE OPERATOR
HIGH POWER
All Band

CQ9A (KL9A)	29,819,886
D4DX (E77DX)	24,590,280
8P5A (W2SC)	19,029,978
9K2HN (S53R)	16,682,274
ND3T (LZ5DB @K1LZ)	16,279,842
CR6K (CT1ILT)	15,759,570
UP0L	15,147,230
P30A (RA3CO)	14,158,536
OM0R (OM3GI)	13,163,820
II2Q (IK2PFL)	12,840,388

28 MHz

PT5J (PY2YU)	6,854,169
5Z4A (5Z4VJ)	5,452,427
FY5KE (F6FVY)	3,532,722
UN5G	1,130,942
4Z5ML	1,110,780
9M8YY (JR3WXA)	1,086,624
YT1X	962,640
LT6T (LU7HN)	914,386
EF3W (EA3CX)	688,080
CX2BR	533,260

21 MHz

SN3A (SQ2GXO)	6,509,526
9A6M (9A7DX)	6,403,026
9A3TR	5,978,560
ES7A (ES7GM)	5,400,948
JJ0VNR	5,352,984
9M6NA (JE1JKL)	4,484,290
OH8X (OH6UM)	4,427,190
RG2A	4,038,797
SP2PIK (SP2MKT)	3,967,200
JM8VFO (JI1VHV)	3,960,300

14 MHz

YT3X	6,600,726
ZM1A (ZL3CW)	6,083,808
S50K	5,318,463
HG5E (HA1AH)	5,194,788
ED9U (EA5EL)	5,169,375
PA1CC	4,957,470
4L8A	4,734,900
HG0Y (HA7GN)	4,508,244
N5RZ	4,036,655
YT1A	3,946,052

7 MHz

9A7V	5,708,722
EF6T (EA3M)	5,471,154
9A73A (9A1UN)	5,282,800
CR2M (W6NV)	5,278,395
OK1Z (OK1DKZ)	4,600,064
YT0Z (YU1ZZ)	4,006,225
R8TT	3,855,345
S51YI	3,707,441
IB8A (IT9BLB)	3,493,602
I2IFT	2,933,535

3.5 MHz

9A5Y (9A5DX)	1,563,770
9A5M	1,256,079
SN2B (SP2MKI)	1,222,480
HA1TJ	1,187,537
S50A	1,147,554
YL3FT	1,006,474
S57Q	991,375
YT4T	979,715
YU2M	789,392
SP3GTS	782,286

1.8 MHz

LY0UKR (LY7M)	293,910
9A2AJ	218,697
S56X	168,000
OF9X (OH2BCI)	83,265
SP3CYY	71,820
OR7K	60,060
OK4U (OK1TP)	58,926
IO3C (IV3AZV)	56,021
DL5KVV	33,356
IK0XBX	26,352

LOW POWER
All Band

CR3DX (OM3RM)	14,595,967
UN4Q	9,662,800
LY4L	7,032,810
WP4X (NP4Z)	6,260,370
DJ4MX	6,246,174
ED7W (EB7A)	6,190,954
SP2R	5,896,110
DK6SP	5,877,510
9Z4BM (N2TTA)	5,650,177
SN7O (SP7IVO)	5,379,758

28 MHz

PS2T (PY1NX)	4,301,093
EA8KR	1,112,436
ZW8A (PS8HF)	912,502
XQ3WD	676,234
LZ4TX	473,760
BA8DV	335,664
LU4HK	326,928
YB2VSH (JJ1RJR)	317,198
4Z5PN	314,070
YB1HR	312,738

21 MHz

ED7O (EA7EU)	1,952,420
SM2M (SM2LIY)	1,745,612
K1TR	1,125,773
RU4SO	966,966
JK2RCP	929,960
TI5/VA3RA (VE3IKV)	924,462
E74C (N3UA)	915,081
E70X	841,925
W7CXX (WA7LNW)	748,915
UT3EV	690,314

14 MHz

TM6M (F4DXW)	4,184,352
YT8A (YU1EA)	3,029,775
YU5M	2,472,739
UA9LAO	2,276,792
IF9/IT9PPG	2,123,835
OM7LW	1,960,686
BH7FFR	1,542,673
KM4FOC (WA1FCN)	1,320,025
UN7LAN	1,282,591
EI0W	1,277,856

7 MHz

VP9/VE3DZ	3,146,700
Z32TO	2,610,752
ED1R (EA4AOC)	2,495,650
YT5W (YU8A)	2,448,160
R8WX	1,978,535
OE3WMA	1,889,668
HA6NL	1,708,685
E79Q (E70Y)	1,588,554
YT2B	1,381,606
LZ7DX	1,292,744

3.5 MHz

E79D	891,780
4L2M	711,870
ME5W (M0HMJ)	594,612
SN7J (SP7JYM)	442,748
OL5J (OK1RZ)	438,588
OK1USP	414,000
SP4AWE	323,718
LY7X (LY3DA)	277,855
EW3LN	223,853
UR7UD	223,114

1.8 MHz

HA0HV	136,086
DR6T (DL3RAR)	70,310
OK1AGE	57,069
RO7C (R6CZ)	51,150
DL0MCM (DL6KWN)	15,575
OL6B (OK6AB)	15,036
DL7AT	12,665
DJ5NN	9,867
DM4MN	9,590
G3YRZ	4,784

QRP
All Band

DM2M (DK3WE)	3,286,633
DK7HA	2,521,950
DL0WW (DF5RF)	2,125,218
DK5DQ	2,076,626
IK2QEI	1,361,464
JA6GCE	1,312,080
LX/N9SM (N9SM)	1,190,190
HA5BA	1,050,938
W1FJ	965,568
LY9A	870,591

28 MHz

YB9DE	299,700
4F3OM	147,260
EF5U (EA5U)	79,476
3G2S (XQ2OP)	61,776
KH7M (KH6ZM)	25,404
YB2NDX	21,960
BH3GJX	17,381
PP5BT	13,703
F8AKC	12,240
ES0RY (ES5RY)	10,836

21 MHz

HG1S (HA1DAE)	885,456
UN8PT	683,724
K5RX	448,749
4F3BZ	341,880
LZ2RS	127,205
HG3IPA (HA3JB)	107,748
JQ1NGT	99,876
WU5K (K5NZ)	97,902
JR1NKN	85,833
SM0GNS	72,237

14 MHz

ED3Q (EA3O)	861,629
SF0A (SM0LPO)	660,450
S51Z	567,765
AI1TT (W1WBB)	385,822
HG6C (HA6IAM)	333,704
LY5I	309,613
CO2OQ	202,536
N4IJ	167,648
HF5WIM	106,967
K8MV	93,296

7 MHz

OM0RX	1,699,170
KA1IS	1,352,070
DL1EFW	674,743
OK6OK	562,950
K3TW	448,647
S57EA	416,262
IW3ILM	202,526
DL2TM	97,344
N2JNZ	69,083
YO8RIX	66,470

3.5 MHz

LY7Z	513,360
OL4W (OK1IF)	479,616
E77Y	327,690
UR5FEO	124,300
YU3DX	110,772

1.8 MHz

OL1A (OK1CW)	97,000
DL1AOB	14,448
SQ2RH	3,520
YO8WW	3,276
OH1RX	2,508

MULTI-OP
SINGLE-TRANSMITTER
HIGH POWER

P3AA	28,867,850
VA2WA	16,328,655
RL3A	15,806,566
HG6N	15,521,130
DR1D	15,507,338
RQ9O	15,127,821
PW2F	13,259,808
II8K	12,779,818
OK5Z	12,529,825
NU2W	11,475,585

LOW POWER

CQ3W	17,579,145
VP5M	13,310,910
WP3Z	8,589,438
S53F	6,733,260
BY7WZ	4,985,890
LZ8A	4,105,512
IP8R	3,684,704
WJ9B	3,175,656
LY2J	3,157,970
YU3A	3,035,886

MULTI-OP
TWO-TRANSMITTER

A62A	29,569,761
ES9C	28,739,926
LZ5R	27,797,836
OM7M	25,497,094
LP1H	25,345,600
RT4F	24,444,561
RU1A	24,383,271
LZ9W	21,532,149
SP8R	21,216,653
OL3Z	20,493,729

MULTI-OP
MULTI-TRANSMITTER

9A1A	36,073,560
K3LR	33,551,373
KC1XX	33,058,669
M6T	26,749,860
UA7K	26,476,242
OZ5W	24,321,934
LN8W	24,269,847
DP9A	20,688,166
NH7T	18,564,390
JA3YBK	17,069,536

MULTI-OP
MULTI-DISTRIBUTED

DP7D	14,212,958
KQ7I	11,537,845
9H6A	6,025,821
YU1A	4,212,131
BG7TNB	2,622,966

ROOKIE
HIGH POWER

HA1TMP	1,732,071
WB5SKM	497,826
HA1NB	318,976
DM1SV	38,844
W2DON	24,966

LOW POWER

OK4NEO	2,233,348
KN6VQ	844,880
SV1TAY	269,555
2E0JLZ	185,328
YT2FW	168,075
BD3PPA	120,681
R8QAT	92,379
VE3INE	76,362
RA5CO	68,244
SV8SXV	65,702

CLASSIC
HIGH POWER

9K2HN (S53R)	10,251,684
P49Y (AE6Y)	9,477,784
PJ2T (WI9WI)	8,078,184
KP2M (KT3Y)	7,219,043
EE8E (EA8BW)	7,136,640
IO4X (IK4VET)	5,782,038
N2MF	5,244,498
DJ5MW	5,101,334
LY5W	4,991,799
E70T	4,947,405

LOW POWER

UP7L (UN6LN)	4,239,130
KG9X	2,576,177
TA7I	2,292,740
HG0R (HA0NAR)	2,156,030
DM5EE	2,135,328
N8II	1,989,316
HA5PP	1,959,501
EI5KF	1,911,954
XR1D (XQ4CW)	1,558,440
UA9AT	1,553,365

TRIBANDER/WIRES
HIGH POWER

ZF2SS (KO7SS)	11,924,928
UP4L (UN7LZ)	11,637,756
CT3KN	9,671,190
K2SSS	7,652,970
WN2O (N2GC)	6,780,294
EU8U	6,634,116
TM4ZZ (F6ARC)	6,090,552
DA3M (DL3UB)	5,709,069
RT9C	5,396,760
MM9I (GM0OPS)	5,156,316

LOW POWER

WP4X (NP4Z)	6,260,370
DK6SP	5,877,510
4U1A (YL2QN)	5,261,575
DL3YM	5,064,171
DA1A (DK3WW)	4,646,471
V49K (AC6ZM)	4,179,611
WF9A (LZ4AX)	4,067,917
SP9XCN	3,992,300
NU2A (N2YO)	3,681,755
ME6W (G3WW)	3,367,560

YOUTH
HIGH POWER

WI0WA (W0AAE)	6,013,168
KT5J (W7WLW @K5TR)	5,019,660
JM8VFO (JI1VHV)	3,960,300

LOW POWER

DJ4MX	6,246,174
BH6IE (BD6IUT)	1,486,310
BD8ABR	1,308,393
WV4AM	951,500
K8LG	229,518
BG4IDK	93,991
DS4HPW	84,640
DA6VW	75,516
DL4XT	68,780
UB4WCL	68,478

QSOs/Prefix Breakdowns by Band

WORLD SINGLE OPERATOR ALL BANDS – HIGH POWER

CQ9A	12/1	310/19	1181/402	1924/507	1888/317	684/101
D4DX	0/0	303/21	750/362	1321/347	1944/385	1154/205
8P5A	0/0	44/4	770/225	1303/412	1887/440	1086/217
9K2HN	0/0	137/13	749/243	945/277	1462/351	994/250
ND3T	7/0	230/61	836/325	1636/598	1412/308	90/55
II2Q	6/6	209/93	930/374	1180/422	1149/402	151/91
NU5A	0/0	2/0	931/334	1439/613	1162/236	150/49
UP4L	0/0	0/0	394/66	1278/466	1373/686	11/10
YT5A	35/8	171/81	865/325	1621/627	727/241	45/35
HG8R	37/9	214/71	965/430	991/398	918/305	75/50

WORLD SINGLE OPERATOR ALL BANDS – LOW POWER

CR3DX	0/0	34/4	607/326	1031/456	1361/364	377/81
LY4L	51/8	198/29	705/354	1061/444	496/217	47/25
9Z4BM	0/0	1/0	327/213	582/243	768/309	363/106
UP7L	0/0	0/0	160/58	537/264	1014/439	111/44
WF9A	0/0	0/0	435/178	793/373	682/251	127/39
YC2VOC	0/0	0/0	167/36	370/120	752/413	448/136
ZL7IO	0/0	11/1	508/266	417/166	309/123	231/111
CT7BJG	0/0	18/14	103/62	723/322	805/466	73/52
DM7W	0/0	206/122	426/214	631/330	328/151	55/25
KG9X	2/0	14/1	460/167	480/268	463/240	59/43

WORLD SINGLE OPERATOR ALL BANDS – QRP

HA5BA	2/2	124/49	307/172	343/216	176/87	30/16
LY9A	0/0	139/125	129/77	302/205	202/114	4/0
LY5G	21/9	126/53	218/115	362/196	167/90	32/14
K2YG	2/0	25/13	128/73	274/210	179/111	28/12
N7IR	0/0	0/0	46/27	295/183	279/164	42/29
S53AR	34/22	148/90	298/163	188/110	70/45	9/5
ON6PJ	0/0	25/8	404/271	149/69	106/61	0/0
G3YMC	0/0	28/9	171/136	223/119	118/67	4/3
JH7UJU	6/2	24/11	72/32	109/64	201/166	17/7
RW3AI	2/2	79/33	117/53	216/151	113/74	18/12

WORLD MULTI-OPERATOR SINGLE-TRANSMITTER – HIGH POWER

P3AA	55/12	263/23	926/220	2166/602	2192/462	484/119
VA2WA	0/0	200/78	1033/464	1447/418	1050/302	33/33
RL3A	61/6	259/16	895/504	1779/307	1729/509	232/52
HG6N	31/7	377/81	1188/438	1713/515	1197/331	138/50
DR1D	8/8	332/88	1345/476	1285/397	1444/401	152/44
RQ9O	22/4	267/11	746/177	1459/465	1395/472	144/38
PW2F	0/0	1/1	628/324	522/236	1088/371	1016/260
II8K	5/5	213/27	873/340	1459/523	1320/413	197/79
OK5Z	20/5	139/26	776/340	1439/523	1233/478	88/43
NU2W	0/0	80/11	828/451	1147/393	1004/304	71/36

WORLD MULTI-OPERATOR SINGLE-TRANSMITTER – LOW POWER

CQ3W	0/0	100/11	870/406	1253/350	1424/432	167/58
VP5M	0/0	29/3	675/402	1223/311	1774/428	121/35
WP3Z	0/0	2/2	558/240	1071/423	1114/308	221/61
S53F	6/2	312/131	799/344	973/372	533/203	135/58
BY7WZ	0/0	4/0	68/8	535/192	1057/492	652/218
LZ8A	19/6	126/52	342/254	847/365	524/256	142/63
IP8R	20/9	138/58	477/224	951/368	464/221	67/24
WJ9B	1/0	42/4	353/117	598/334	630/267	54/37
LY2J	107/20	192/82	484/277	542/250	305/190	23/16
YU3A	33/21	231/152	454/226	713/415	117/59	60/30

WORLD MULTI-OPERATOR TWO-TRANSMITTER

A62A	0/0	131/9	630/153	1716/432	2472/641	1399/286
ES9C	135/10	584/180	1573/416	2863/555	2348/416	457/65
LZ5R	48/6	420/52	1551/429	2789/588	2378/416	732/131
OM7M	71/5	479/46	1660/533	2485/597	1664/352	200/56
LP1H	0/0	13/4	1100/418	1183/441	1567/291	1446/246
RT4F	55/4	355/15	1093/322	2650/649	2662/509	455/88
RU1A	65/5	444/83	1381/499	2632/525	2095/403	352/36
LZ9W	21/5	248/63	1346/378	2617/672	1752/357	349/64
SP8R	54/14	329/85	1188/393	2140/624	1769/369	258/64
OL3Z	67/10	582/183	1178/364	2093/532	1507/348	242/72

WORLD MULTI-OPERATOR MULTI-TRANSMITTER

9A1A	470/92	1017/203	1888/373	2483/531	2155/387	653/134
K3LR	117/12	581/67	1817/449	2363/561	2151/386	612/122
KC1XX	108/13	638/112	1634/422	2504/513	2293/430	573/113
M6T	230/26	807/215	1750/368	2442/589	1540/312	259/78
UA7K	236/50	699/148	1407/271	2803/646	2300/381	467/103
OZ5W	359/85	757/165	1720/397	2024/519	1547/317	251/64
LN8W	365/80	818/198	1607/331	2314/531	1435/352	277/51
DP9A	207/57	680/143	1631/390	1921/523	1279/314	303/62
NH7T	7/0	225/10	834/117	1081/399	1661/443	805/201
JA3YBK	30/0	63/2	491/69	1504/354	2208/772	503/169