

Results 2023 CQ World Wide VHF Contest

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We received 787 logs (including checklogs) from 49 different countries in this year's contest. Of those logs, 313 were from outside the US and Canada. Entries included 59 logs from Indonesia, a big increase from last year and nearly 8% of the total entries!

US and Canada Highlights

What more can be said about Wyatt, AC0RA's amazing rover score? This is the 6th consecutive year that he has produced the overall highest score in the contest. His 440K points is the only score above 100K. The AC0RA rover activated 8 grids, runs KW+ on each band and has antennas up to 45' high. A look through Wyatts' log shows he efficiently works many stations at each grid stop. Well done! Tony, KG9OV/R also completed an impressive 8 grid rove in the EMxx/ENxx grids to take second place, despite having some DC power and computer issues to overcome during his rove.

Most stations reported flat conditions on the first day. Six meters cooperated a bit more on day 2, with a few Es openings, but nothing huge. Only a handful of fixed stations were able to break the 200 QSO barrier on six. Rough going. Congratulations to those that persevered!

W4MW and K5QE had a close battle for top US/VE multi-operator score. W4MW had the most QSOs, but K5QEs grid total on 2m, enhanced by some EME QSOs helped Marshall's crew claim the win.

Bob, K2DRH has entered every CQWW VHF since 2003. He consistently scores in the top 5 in the Single Operator All Band category. This year he took spot number 1, followed by Jeff, K1TEO. Bob was able to take advantage of spotty Es openings on Sunday and built a significant grid total advantage on 6 meters. We would like to note some big scores from outside the Northeast and Midwest sweet spots this year. Congrats to KB0NAV and K0NR for good showings from Colorado and to AG6X who



AC0RA's outstanding rover setup built around a pneumatic mast holding large 6 and 2 meter Yagis

pushed to make 165 QSOs from the San Diego area.

The top 6 meter single band winner varies year to year depending on propagation. This year Dale, WB9YCZ, took advantage of the spotty Es openings, MSK contacts in the morning, and his proximity to several Midwest population centers to win the category. His effort was 100% digital. We believe this is Dale's first CQWW VHF entry. Nice job! Stan, KA1ZE used his top tier 144 MHz installation in FN01 as W3XTT to win the 2 meter single band category.

In the Hilltopper category, Igor, VE3ZF, placed first in the world from a QTH in sparsely populated grid EN95. Igor certainly made the most of his 6 hour limit, making 156 QSOs. A look through his log is interesting. Only about 15% of his QSOs were on digital modes, with the

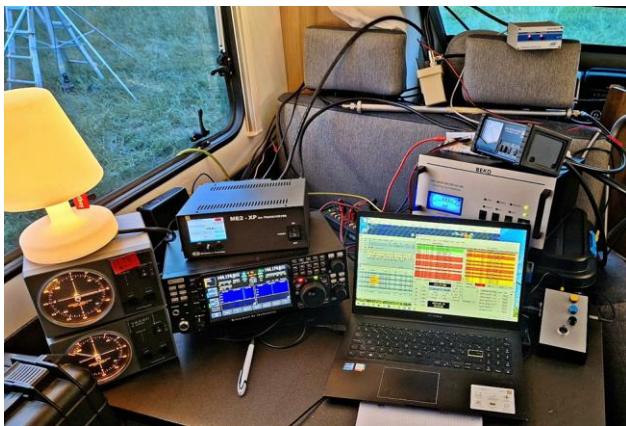
majority on analog voice. There is life on the analog modes! Also, 60% of his contacts were with other VE3 rovers. We are glad to see so much analog and rover activity from VE3. In the QRP category, Jim, KO9A had the highest W/VE and world score. His 30K score would be 6th place in the non QRP W/VE Single-Op All Band listings. Jim humbly credits the win to persistence and the ability of the digital modes to make good DX possible with QRP.

The Rest of the World

VHF propagation is regional. See the top scores by continent in a separate table at the end of this document. Here are a few notable contest efforts from outside W/VE.

ON4EI/P – Not only did Oliver have the highest 2m Single Band score in Europe, but it is also the number one 2m score in the world. 215 QSOs with a very impressive 70 grid squares. Oliver engineered quite the station with independently rotatable antennas: One 4 x 4 el array with a wide 64° beamwidth and a single 7 element yagi. He used a 2 channel HA1YA transverter feeding both receivers of an Elecraft K4D. For transmit, he fed both antennas with a BEKO 1000W amplifier (reduced to 300W on FT8).

Oliver started the contest on SSB where activity was light. After the first hour, he switched to FT8 where he was able to maintain QSO rate for the remainder of the contest. Oliver's capability to cover a wide azimuth and beam in multiple directions paid off.



A look inside ON4EI/P's well equipped portable shack



ON4EI/P – Oliver is all smiles after an outstanding effort!

4O6BLM – Congratulations to the 4O6BLM team for achieving the highest multi-op score outside of W/VE! The most impressive part of this operation was that it was achieved completely portable or “field-style”. Zeljko, 4O6ZD, reports that the team's usual contest QTH was not available this year, so they fell back to Plan B - a portable operation from JN92ND at 1.1km above sea level.

The 4O6BLM station consisted of:

6m: Icom 7300 barefoot + 5el Yagi

2m: Icom 7100 + Tajfun KW PA + 11el Yagi

+ PCs and generators

The team had to QRT about 4 hours before the end of the contest to ensure they could tear-down and descend the hilltop prior to nightfall. Despite the early exit, the team still achieved a fantastic score. Great job!

Congrats to team members:

Zeljko 4O6ZD

Jovan 4O5JD

Goran 4O6GD

Dusan 4O6LEE

Ivan 4O4GIG

Looking forward to your efforts in 2024!



The 4O6BLM team looking hungry to put up a top score!



4O6BLM station at night - with dual purpose land rover/shack



4O6BLM team working on the 2m antenna system



Awesome view from JN92ND!

EA8DBM – From Africa, Alex EA8DBM is too far away from most of Europe for terrestrial 2 meter QSOs. He used his EME capability to overcome this limitation and finished with the number one Single Operator All Band score outside of W/VE. Congrats on the outstanding effort!

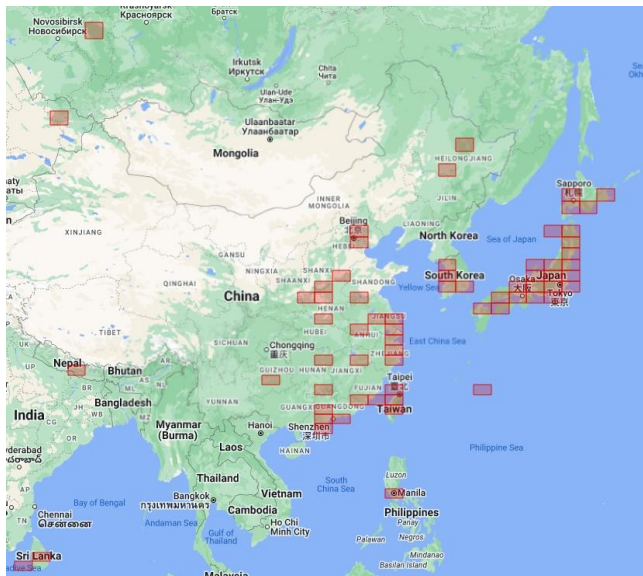
JG3DHN/R – Congratulations to Masaki Ueda for the top DX rover score and the overall highest score from Japan! This is the 2nd year in a row Masaki-san has taken the top rover spot for DX!

Masaki-san reports that roving in Japan is extremely challenging due to the very narrow roads and the amount of time it takes to travel between grids. Masaki-san set his excellent score via an Icom 705 driving a 3 element 6m yagi and 2m ground plane antenna. Masaki-san is planning to be back this year and is aiming for an even higher score. Well done and good luck in 2024!



JG3DHN/R's compact rover setup

HL2ZN – Another big score from Asia was HL2ZN’s 6m Single Band entry. We thought it would be interesting to see what is possible for 6m DX from HL land. The map below shows most of the grids worked by Mr. Oh. Not shown are long haul QSOs with VK6TM and EA8DBM.



6m grid squares worked by HL2ZN

YB2MDU – Congratulations to Sri Bintoro on achieving the highest score from Oceania! Bint entered the Single Op 2m only category and operated primarily via EME. This is Bint’s 3rd year in a row posting the highest score from Oceania. He really enjoys EME and is likely the only active EME station from Indonesia. 2m EME is especially challenging from his QTH due to the high levels of QRM from locals using FM on EME frequencies. Bint says local participation is low in the contest, but everyone is active on 2m. Even with low participation, we received 59 YB logs this year. There is potential for many more CQ WW VHF entries from Indonesia!

The YB2MDU station consists of an Icom 9100 driving an LDMOS amplifier. For receive, Bint uses a VHF Design LNA. His 2m EME array consists of 4 x 13 cross polarized antennas, based on a YU7EF design.

A Few Tips

A reminder on the assistance rules for CQWW VHF: The use of spotting networks is allowed for all entrants. No self-spotting or setting up QSOs in real time chat rooms such as ON4KST. For **digital EME** or **digital meteor scatter** QSOs, you

can announce your CQ frequency and sequence. This rule allows you to announce MSK CQ frequencies away from 50.260 and 144.150. It’s important for QRO entrants to remember that meteor scatter QSOs can be completed easily and quickly when both ends of the QSO hear well. Part of hearing well is avoiding QRM. Please try announcing CQs away from busy calling frequencies. We would like smaller stations to experience the thrill of meteor scatter on 6 and 2m during CQWW VHF.

Another MSK hint, please set TX4 to RRR (not RR73) and send RRR multiple times! Sending RR73 only once greatly increases the chance of a “not-in-log” penalty for you or your QSO partner.

Don’t forget analog modes! We recommend CQing on SSB and/or CW at the start of every even UTC hour (18Z, 20Z, 22Z...) and analog “happy hours” from 00Z-03Z and 12Z-15Z.

Housekeeping and Final Thoughts

We are aware that plaques for the past several years were not delivered to many deserving winners. I want to thank both the WWROF and Doug, K1DG, who have volunteered to manage our awards program. If you are missing a plaque, send an e-mail to plaques@cqww-vhf.com.

In closing, I’d like to thank Jim KO9A for assisting with the results writeup and Randy, K5ZD who manages the website.

Certificates for everyone are available for printing on the website at cqww-vhf.com.

If anyone would like a Log Checking Report, send an e-mail to N2NC at director@cqww-vhf.com.

2024 Contest

We hope to see you in the 2024 CQWW VHF July 20-21, 2024!

Remember all CQ Contests have a 5-day deadline for submitting logs. Check out the rules on cqww-vhf.com for the latest information.

73, John N2NC

Director CQ WW VHF Contest

Top Scores W/VE

Single-Op All Band

W/VE

K2DRH	87,318
K1TE0	66,132
K9KLD	38,991
W5TRL	38,252
K1RZ	36,936
N4SV	27,170
VE3WY	25,758
K1HTV	22,500
KB0NAV	20,691
N3MK	20,496

Single-Op All Band

W/VE

CM/CN/DM/DN Grids

KB0NAV	20,691
K0NR	18,240
AG6X	14,384
W7FI	8,493
W7MEM	7,242

Single-Op 6M W/VE

WB9YCZ	16,356
W5PR	16,102
K1T0	15,576
N00T	10,250
N5RZ	9,975
K9DR	9,500
WR7AY	9,120
K9NW	9,030
W9GA	7,986
W0XR	7,210

Single-Op 2M W/VE

W3XTT	8,262
N9LB	2,576
KD8ZEI	1,820

Rover W/VE

AC0RA/R	439,936
KG9OV/R	78,800
W9Y0Y/R	12,225
AA5PR/R	10,428
N5ZY/R	7,590
VA6AN/R	7,497
K9JK/R	7,316
N6GP/R	4,838

QRP W/VE

K09A	30,264
N0GT0	1,551
N3MWQ	1,302

Multi-Op W/VE

K5QE	82,543
W4MW	80,028
N2NT	59,619
WD9EXD	42,250
N4SVC	30,080
VE3MIS	23,600

Hilltopper W/VE

VE3ZF	6,188
NV4B	4,680
K9PW	4,510

Top Scores Europe

Single-Op All Band EU

EA6SA	11,826
DD2ML	6,468
G40ED	2,772
F4DXX	1,830

Single-Op 6M EU

SV1NZX	4,399
M5W	1,353
UT4XU	1,230
Y03JW	1,085
D040D	1,025

Single-Op 2M EU

ON4EI/P	29,960
S56P	13,716
DH8BQA	9,486
OE6V	6,930
IK7UXW	6,216

Rover EU

E70AA	231
HA6NL	130
UT7AA	49

QRP EU

IZ7UMS	9,546
YR8D	4,070
IT9IVU	2,108

Multi-Op EU

406BLM	40,135
OK1KKI	32,704
OK1RDO	15,311
TM87C	11,323

Hilltopper EU

E76C	4,752
UT1IC	1,200

Top Scores Asia

Single-Op All Band AS

JH4UTP	2,380
BD4SVU	1,755
BH4FUO	589

Single-Op 6M AS

HL2ZN	11,055
HL3AMO	5,292
JP1LRT	3,344
BD4AAS	2,808
B7/BH4UMN	2,046
BD4SBN	1,785
DS3EXT	1,504
JR0QFA	1,320
BA2BA	1,100
JK1HWU	1,000

Single-Op 2M AS

HS1ZH Y	2,112
E22UYH	910
JE7KHL/7	380
HS8JWH	282
E25RAW	156

Rover AS

JG3DHN/R	8,360
BH6KWC/R	1,728

QRP AS

JR1UJX	1,240
BA7LAC	805
TA3E	740
BD2TBJ	578
BG7IKK	504
BI1NJI	414

Multi-Op AS

E27AAA	3,864
HS1AN	1,896
BY6DX	936

Hilltopper AS

JJ1WWL	2,442
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Top Scores Oceania

Single-Op All Band OC

YG1AFK	42
YB1IKC	24
YC0AOM	24

Single-Op 6M OC

YB2ECG	1
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Single-Op 2M OC

YB2MDU	288
YB0OHG	64
YB0DJX	58
YC0WBY	48
YD1DYZ	48
YC0AUN	46
YB0SCV	42
YC0SJK	38
YD0BKP	38
YD0BIP	36

QRP OC

YG3ARV	72
YB3BLJ	54
YC3GRK	48
YG3AQV	44
YD3CZV	32
YF3FZR	32

Multi-Op OC

7A0F	26
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Hilltopper OC

YB2NDX	2
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Top Scores Africa

Single-Op All Band AF

EA8DBM	37,926
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Single-Op 6M AF

EA8AQV	4
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Top Scores Central / South America

Single-Op All Band Cent/S Am

PY2AE	455
PY2ANY	430
PY3LX	128
PY3TR	128
PU3GFM	112
PU20XB	104
YY6CJJ	102
PY2Z YV	90
PU2KNM	84
PY2WLM	80

Single-Op 6M Cent/S Am

PY2LCD	60
PY5CC	16
PY2GTA	15
PY4AQA	12

Single-Op 2M Cent/S Am

PY2WOT	96
PU3MIP	60
PU3LMZ	52
PU3YST	52
PY3BE	48
PY2DN	42
PU3POE	40
PY3IE	40

QRP Cent/S Am

C02QU	72
PP5CI	6
YY6MCM	4

Multi-Op Cent/S Am

PY5ARP	189
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Hilltopper Cent/S Am

PY2TDB	4
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