RAC Canada Day Contest 2023 Results

Updated December 20, 2023

RAC Contest Managers: Bart Ritchie, VE5CPU and Sam Ferris, VE5SF

The RAC Contest Management Team is pleased to present an updated version of the RAC Canada Day Contest 2023 Results in the following pages.

We would like to acknowledge a couple of errors in the results.

- In the listing for Multi-Operator Multi Transmitter Any Authorized Power Level the call sign for VE6TL was incorrectly listed as VE6RL as was the same error in the operators list.
- We were advised by Rob Noakes, VE3PCP, that there was an issue with the original scoring of his CJ3YLR entry. After reviewing we noted some formatting issues that were not identified which caused the incorrect scoring. We have corrected his result in the Multi Operator Single Transmitter High Power (MOSTHP) updating his score to 17,366.

It was certainly nice to see the solar cycle continue on its upswing, leading to better conditions on 10 and 15 metres for the RAC Canada Day Contest 2023. With improved solar conditions and a weekend Canada Day event there was a record 835 logs submitted – a 12% increase over last year's record performance.

With a total of 108,225 QSOs logged, it was not only the best entry turnout but the highest number of logged QSOs we have ever recorded! Three new records were established this year with all of them in the new assisted categories. Please see inside for all of the details.

Thank you for participating in the contest! We would also like to thank all of our great sponsors for continuing to support the contest and Amateur Radio in Canada and internationally!

Don't forget the **RAC Canada Winter Contest** is on December 30. See you on the bands!

RAC Canada Day Contest Manager: Bart Ritchie, VE5CPU – canadaday@rac.ca

RAC Canada Winter Contest Manager: Sam Ferris, VE5SF – canadawinter@rac.ca

RAC Canada Winter Contest is December 30



Radiowerld



Alan Goodacre, VE3HX







Alfa Radio Ltd.



RadioSport Manitoba





Saskatchewan Contest Club



RAC Canada Day Contest 2023 Results

Bart Ritchie, VE5CPU and Sam Ferris, VE5SF

The RAC Canada Day Contest is our way of celebrating Canada's Confederation on July 1, 1867 and it is always held on July 1. This year we were fortunate enough to have it fall on a weekend and we were hoping for a record turnout. We were not disappointed. There was a record 835 logs submitted – a 12% increase over last year's record performance. With a total of 108,225 QSOs logged, it was not only the best entry turnout but the highest number of logged QSOs we have ever recorded!

Radio propagation continues to improve in 2023, making it easier for those outside of North America to get some propagation into Canada. We saw a 21% increase from logs outside of North America as well as overall improved participation from Canada (up 15%) and the United States (up 5%). Single Op All Band CW and Single Op Low Power Assisted were the most popular categories with about 18% of the participants being from each of those categories.

In the second year of the new assisted categories, Igor Slakva, VE3ZF, set a new record with a score of 747,408 in the Single Operator Assisted High Power category, and Brian Campbell, VE3MGY, set a new record with a score of 350,244 in the Single Operator Assisted Low Power category. More records will likely occur in the future as participation increases. Victor Androsov, VA2WA, nudged up his prior record from 2019 in the Single Operator Assisted CW category with a new high score of 364,536 beating his old record by 432 points. With that introduction, on with the detailed results!

Single Op All Bands High Power

Victor Petcherkin, N8OO, takes first place in the SOABHP category capturing the plaque sponsored by Radioworld with a score of 652,752. Victor also takes the Larry Kayser, VA3LK Memorial Plaque sponsored by Alan Goodacre, VE3HX, for the Top Scoring Single Operator's Foreign Entry – any authorized power. Bart Ritchie, VE5CPU, takes second place with a score of 153,972. Dariusz Tatarski, VE3BR, attained third place with a score of 135,864.

Single Op All Bands Low Power

Sam Ferris, VE5SF, takes first place this year in the SOABLP category and takes the plaque sponsored by Contest Club Ontario with a score of 372,540. Daniel Alvarez, VE3FCT, takes second place this year with a score of 183,600. Daniel is also the winner of the 2023 Rookie plaque. Great showing this year Daniel! Third place goes to Bob Melhado, WA2JQK, with a score of 120,120.

Single Op - QRP

Bertrand Zauhar, VA2IW, takes the first place plaque in the SOABQRP category sponsored by Radioworld with a score of 75,332. Ron Baker, VE3SIF, takes second place with a score of 63,040 while third place goes to goes to Eric Castro, VE3DN, with a score of 35,504.

Single Op All Band Phone

Michael Ross, VE2NTT, takes first place with a score of 258,384 capturing the SOABPH plaque sponsored by the Maritime Contest Club. Second place goes to Sunday Satiada, VE4SG, with a score of 88,450. Larry Langs, VE3LRL, rounds out third place with a score of 85,008.

A Few Statistics											
Category	2021	2022	Change								
Entrants	747	835	12%								
Web Log	667	753	13%								
Email Entries	80	82	3%								
RAC	9	12	33%								
Canada	261	299	15%								
US	329	345	5%								
DX	148	179	21%								
Total QSOs	99710	108,226	9%								

Single Op All Band CW

Victor Androsov, VA2WA, takes first place in the SOABCW category with a score of 364,536 capturing the Gary Bartlett VE1RGB Memorial Plaque sponsored by the Maritime Contest Club.

Second place goes to Duane Sandmeyer, VE7UF, with a score of 228,044 and this year Stefan Bejusca, VA3AR, rounds out third place with a score of 146,716.

Single Op Assisted High Power

Igor Slakva, VE3ZF, takes first place capturing the SOAHP plaque sponsored by Radioworld Central with a score of 747,408. This also sets a new record for the category in its second year. Second place goes to VE4RAC operated by Ed Richardson, VE4VT, with a score of 696,522. Third place goes to Larry Brockman, N6AR, with a score of 358,144.

Single Op Assisted Low Power

Brian Campbell, VE3MGY, takes first place capturing the SOAHP plaque sponsored by Radioworld Central with a score of 350,244. This also sets a new record for the category in its second year.

Second place goes to Rick Brown, VA3YV, with a score of 202,920.

Third place goes to Al Niittymaa, VE3VY, with a score of 162,450.

Single Op Single Band

Once again 20 metres was the main band for those in the SOSB category and again produced the top three scores in this category.

Gary Caldwell, VA7RR – using CJ7RR as part of the celebration of King Charles III Coronation in 2023 – takes first place winning the SOSB plaque sponsored by Radioworld with a score of 171,756. Pete Aminge, SM5X, using the Västerås Radioklubb club call 8S80AA, takes second place with a score of 85,470. Alexander Sherman, W6AFA, takes third place this year with a score of 52,468.

The complete listing on page 9 shows the band-by-band breakdown and power levels for those who like to keep track of that element of SOSB even though it is not an official part of the contest format.

Multi-Operator Single-Transmitter High Power

The Kings County Amateur Radio Club takes first place in the MOSTHP category operating the VE1RAC station to capture the Alfa Radio sponsored plague with a score of 404,224. Dave Heumann, N7NR, team takes second place with a score of 339,192. Jacob Handwerker, W1FM and the team takes third place with a score of 151,008.

Multi-Operator Single-Transmitter Low Power

The Maritime Contest Club, operating the VE9RAC station, takes first place in the category of MOSTLP capturing the Tony Allsop VE3FTA Memorial Plaque with a score of 272,580. Eric Manning, VA2DZ and his team takes second place with a score of 99,136. Third place goes to the Kamloops Amateur Radio Club, VE7UT, with a score of 34,182.

Multi-Operator Multi-Transmitter

Gord Kosmenko, VE6SV and his team take first place and the MOMT plaque sponsored by Radioworld, with a score of 786,150. Second place goes to Ken Keeler, N6RO and his team with a score of 687,800. Third place goes to the Sask-Alta Contesters team operating the VE5RAC station with a score of 454,800.

Rookie

Individuals who have been Amateurs for three years or less can enter the Rookie subcategory in the SOABHP, SOABLP and SOABQRP. This year's winner is Daniel Alvarez, VE3FCT. Daniel participated in the Single Op All Bands Low Power and wins the Rookie plaque with a score of 183,600. He also came in second in his category! Great job Daniel and welcome to radiosport contesting.

Top Scoring Single Operator – Foreign Entry*

As noted in the SOABHP results, Victor Petcherkin, N8OO, wins the Larry Kayser, VA3LK Memorial Plaque sponsored by Alan Goodacre, VE3HX, for the Top Scoring Single Operator's Foreign Entry – any authorized power, with a score of 652,752.

Corrections

The RAC Contest Management team continues to get the results out as quickly as possible with as much accuracy as we can. In the event we have let any errors in, please accept our apologies and be assured we will be happy to correct any problems that are identified and publish any updates on the RAC website. Please send them to us by email.

Closing Remarks

The RAC Contest Managers would like to thank everyone who participated in this year's contest. We hope you enjoyed the event!

Individuals who have won certificates can download them from the RAC website at: http://www.contest.rac.ca/certificates.php. Given time demands and workload, we no longer provide certificates directly by email. If you have difficulty downloading a certificate, please contact us at canadaday@rac.ca.

RAC Canada Day Contest Plaque Winners

Single Operator All Bands High Power Sponsored by Radioworld

Victor Petcherkin, N8OO, with a score of 652,752

Single Operator All Bands Low Power Sponsored by Contest Club Ontario Sam Ferris, VE5SF, with a score of 372,540

Single Operator All Bands – QRP Sponsored by Radioworld

Bertrand Zauhar, VA2IW, with a score of 75,332

Single Operator All Band Any Authorized Power – Phone Sponsored by Saskatchewan Contest Club Michael Ross, VE2NTT, with a score of 258,384

Single Operator All Band Any Authorized Power – CW Sponsored by Gary Bartlett, VE1RGB, Memorial by the Maritime Contest Club

Victor Androsov, VA2WA, with a score of 364,536

Single Operator Assisted High Power Sponsored by Radioworld Central Igor Slakva, VE3ZF, with a score of 747,408

Single Operator Assisted Low Power Sponsored by Radioworld Central Brian Campbell, VE3MGY, with a score of 350,244

Single Operator Single Band Any Authorized Power Level Sponsored by Radioworld

Gary Caldwell, VA7RR operating as CJ7RR with a score of 171,756

Multi-Operator Single Transmitter High Power Sponsored by Alfa Radio

Kings County ARC operating as VE1RAC with a score of 404,224 Ops: VE1FA, VE1RSM, VE1BAB & VE1RPX

Multi-Operator Single Transmitter Low Power
Tony Allsop VE3FTA Memorial Sponsored by Mississauga ARC
Maritime Contest Club operating as VE9RAC with a score of 272,580
Ops: VE9ML, VE9BK & VE9RA

Multi-Operator Multi Transmitter Any Authorized Power Level Sponsored by Radioworld

VE6RAC Hosted by Gord Kosmenko, VE6SV, with a score of 786,510 Ops: VA6BGE, VE6JF, VE6TL, VE6RST & VE6SV

Top Scoring Single Operator Foreign Entry Larry Kayser, VA3LK, Memorial sponsored by Alan Goodacre, VE3HX Victor Petcherkin, N8OO, with a score of 652,752

Top Scoring Rookie
Sponsored by RadioSport Manitoba and the Winnipeg ARC
Daniel Alvarez, VE3FCT, with a score of 183,600

The RAC website also has all the contest rules and entry forms at:

http://wp.rac.ca/contesting-results/

We are looking forward to next year's contest and hope to see increased participation, but it may be a challenge as the contest will be held on a Monday (July 1, 2024). Please join us as it is a great way to spend part of the Canada Day holiday!

Good luck in the RAC Canada Winter Contest on December 30! For more information please visit the RAC website.

- 73, Bart, VE5CPU and Sam, VE5SF



Canadian Record Scores											
Call Sign	Category	QSOs	Mult	Score	Year						
VE3EJ	SOABHP	1513	118	1,243,956	2008						
VE5SF	SOABLP	884	95	658,540	1999						
VE3KZ	SOABQRP	468	79	309,048	2002						
VE3ZF	SOAHP	889	92	747,408	2023						
VE3MGY	SOALP	716	81	350,244	2023						
VA7RR	SOSB*	1531	25	233,150	1999						
VE3ZF	SOABPH*	1074	63	456,750	2016						
VA2WA	SOABCW*	1370	61	364,536	2023						
VA3RAC (VE3ZF host)	MOSTHP	1032	109	804,856	2021						
VA3RAC (VE3ZF host)	MOSTLP	955	88	454,256	2018						
VE6JY	MOMT*	2671	119	1,898,764	1999						

^{*}The official category does not have a power class designator.

** New category records for 2023.

Canadian Single Band Record Scores											
Call Sign	Category	QSOs	Mult	Score	Year						
VE3VZ	SOSB - 144	66	3	2,046	2005						
VE3FIT	SOSB - 50	43	6	2,364	1998						
VE1CZ	SOSB - 28	183	9	7,128	1997						
VE6JY (VE5MX guest op)	SOSB - 21	957	20	72,800	2001						
VA7RR	SOSB - 14	1531	25	233,150	1999						
VE3TA	SOSB - 7	612	20	68,800	2009						
VE3BY	SOSB - 3.5	447	15	64,800	1997						
VE3DO	SOSB - 1.8	82	18	11,412	1996						
No new single ban	d records in	2023.									

	Entry Class Mix										
SOABHP	16	1.9%									
SOABLP	65	7.8%									
SOABQRP	35	4.2%									
SOSB	113	13.5%									
SOAHP	128	15.3%									
SOALP	150	18.0%									
SOABCW	158	18.9%									
SOABPH	134	16.0%									
MOSTLP	8	1.0%									
MOSTHP	6	0.7%									
MOMT	7	0.8%									
Check Logs	15	1.8%									
Total	835	100%									

Rookie Participants											
Call Sign	Name	Score	Category	Location							
VE3FCT*	Daniel Alvarez	183,600	SOABLP	Ontario							
W7VC	Jordan Shin	36,960	SOABLP	US Call Area 7							
VA2OJD	J.D. Comtois	6,240	SOABLP	Quebec							
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SOABLP, SOABHP & SOABQRP only; * denotes the category winner

Multi-Op List

Multi-Operator Multi-Transmitter – Any Authorized Power

N6RO: KK6PXT, KO6M, N6RO, N6WM, WD6T, WU6P & WX5S

VA2RAC: VE2CSM, VE2EBK & VE2FK

VE5RAC: VE5WI, VE5FF, VE5FN, VE5SPR, VE6BBP, VA6NJK,

VA6GWS, VE6VAC & VE7RK

VE6RAC: VA6BGE, VE6JF, VE6TL, VE6RST & VE6SV

VE7RAC: VE7LWW, VA7XH, VA7XB, VA7JDJ, VA7VJ, VE7TI,

VA7OM, VA7QD, VE7NX & VE7SXM

VX7NA: VE7LSE, VE7BGP, VE7JAI, VE7PMD, VE7KGV, VE7GDE,

VA7DGV, VA7DXX, VA7USD, VE7FSM

Multi-Operator Single-Transmitter High Power

CJ3YLR: VE3PCP, HB9FPM & DL9YJ

N7NR: K6JO, N6KI, N7NR, WQ6X, VE4EA

VB3P: VE3GNF, VA3KSF & VA3KWZ

VE1RAC: VE1FA, VE1RSM, VE1BAB, VE1RPX

VE3FR: VE3GNF, VA3KSF & VA3KWZ

W1FM: W1FM & N1SOH

W3ACO: W3ACO, N0GJW & K0PZH

Multi-Operator Single-Transmitter Low Power

VA1JON: VA1JON & VE1AWR

VA7DZ: VA7DZ & VA7KH
VE2ARC: VA2EI & VA2XZA

VE6AO: VE6CCL, VE6KLE, VA6SJA, VE6DCV

VE7BIA: VE7BIA & VA7EFT

VE7SCA: VA7CFG, VE7TBP, VE7TBN, VA7RJQ, VE7SMI, VE7RBE,

VA7LSP, VE7NZR

VE7UT: VE7IET, VE7BV, VA7VZA, VE7FSR, VE7HS

VE9RAC: VE9ML, VE9BK & VE9RA

Contest Results

In the following results an "R"under "Award" indicates a new record, * indicates a Certificate winner and ** indicates a Category Winner.

Single Op All Bands High Power (SOABHP)

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Call	Score	CDN	RAC	DX	QSOs	Mult	Award
N800	652,752	572	43	1243	1858	72	**,#
VE5CPU	153,972	257	11	243	511	47	*
VE3BR	135,864	163	22	297	482	51	*
VE7BC	106,008	184	13	212	409	42	*
VE3CT	84,048	126	18	426	570	34	
AI4WW	69,480	117	20	180	317	36	*
K2CYS	44,118	112	14	117	243	27	*
VE3TAZ	28,800	54	13	50	117	32	
W9TC	28,620	55	16	42	113	30	*
K4HQK	23,520	70	14	0	84	24	
W8JRK	17,250	47	14	0	61	23	*
K7JQ	11,200	52	8	60	120	14	*
KB3P	6,408	43	5	2	50	12	*
5B4AOF	3,640	20	3	10	33	13	
VE2VIA	2,502	21	2	14	37	9	
VE7BLW	980	5	3	15	23	7	

Note: The # above indicates Top Scoring Single Operators Foreign Entry – any authorized powerLarry Kayser, VA3LK Memorial Plaque sponsored by Alan Goodacre VE3HX

Single Op All Bands Low Power (SOABLP)
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Call	Score	CDN	RAC	DX	QSOs	Mult	Award **
VE5SF	372,540	354	30	591	975	70	*
VE3FCT	183,600	240	22	280	542	54	
WA2JQK	120,120	122	31	172	325	55	*,Rookie
N7ZZ	119,392	141	28	163	332	52	*
VA6RCN	100,900	127	18	194	339	50	*
K5DHY	90,804	139	24	52	215	46	*
KA0PQW	75,270	114	21	185	320	39	*
AI6O	70,704	135	15	157	307	36	
VE3KOT	68,970	132	14	245	391	33	
N2EM	64,448	108	19	118	245	38	*
W1PR	58,806	130	16	81	227	33	*
VA3RKM	51,136	109	10	107	226	34	
KI1U	45,360	101	14	111	226	30	*
W7VC	36,960	81	15	105	201	28	*
K4DR	36,076	78	16	72	166	29	*
VE3DMR	35,264	86	11	11	108	32	
VE3RWJ	35,200	74	14	40	128	32	
VE3EQM	27,540	52	16	39	107	30	
CJ3TTB	27,466	45	17	48	110	31	
VA2KD	27,054	69	11	46	126	27	*
WOYJT	25,920	57	12	75	144	27	
VE4XT	24,920	47	13	80	140	28	*
VE3CES	24,242	58	7	31	96	31	
VO1RAC	23,166	62	5	69	136	27	*
VE3NJE	21,492	53	13	3	69	27	
W8TB	19,880	43	14	0	57	28	*
N3NR	18,260	53	10	50	113	22	
K4JC	17,220	57	8	45	110	21	
VA3QR	15,356	37	12	44	93	22	
		37	12	44	93	22	
VA3QR/P VE6SK	15,356 14,536	36	13	6	95 55	23	
VA3TSS	13,952	67	8	21	96 76	16	
VE5WD	11,952	46	8	22	76	18	
KD8SKZ	11,040	49	9	10	68	16	*
VA7MLZ	10,960	31	9	29	69	20	*
VE3QRK	10,760	30	11	9	50	20	*
SM5CSS	8,456	33	4	97	134	14	*
VE8GEZ	7,068	22	7	6	35	19	
NN7O	6,902	22	9	3	34	17	
VA2OJD	6,240	44	3	10	57	12	
AD2BO	6,240	31	4	45	80	13	
N4QI	5,850	27	6	30	63	13	
N7VS	5,730	19	7	26	52	15	
N6YEU	5,376	21	6	3	30	16	
W7MTL	5,124	26	4	13	43	14	
AF5CC	5,088	25	5	37	67	12	
VE7AF	4,830	20	4	21	45	15	
CK3ETE	4,342	25	4	2	31	13	
VE3SST	3,696	12	6	12	30	14	
K8MR	3,600	26	2	0	28	12	

KX4UI	3,224	12	6	4	22	13	
VA3PAF	3,220	9	6	10	25	14	
VE3KAE	3,186	19	7	12	38	9	
VE3YET	2,992	18	4	6	28	11	
N9BT	2,900	17	5	10	32	10	
NV9X	2,760	20	2	18	40	10	
EI4II	2,682	7	3	84	94	9	*
VE3ETE	2,320	19	2	1	22	10	
WB8WUA	2,320	16	3	6	25	10	
WA2WDT	2,080	26	0	0	26	8	
WB8FVB	1,808	12	5	3	20	8	
NU7I	1,712	15	2	12	29	8	
VE3QC	510	7	1	6	14	5	
IV3UHL	504	9	0	18	27	4	
WA8YZB	360	1	3	10	14	4	

Single Op All Bands QRP (SOABQRP)

Call	Score	CDN	RAC	DX	QSOs	Mult	Award
VA2IW	75,332	138	14	188	340	37	**
VE3SIF	63,040	98	19	108	225	40	*
VE3DN	35,504	77	11	139	227	28	
K3TW	35,092	69	14	81	164	31	*
VE3CW	29,000	60	13	70	143	29	
VE3NFN	21,294	68	8	87	163	21	
VY2DM	8,294	44	7	29	80	13	*
K2EKM	7,264	27	6	32	65	16	
N7JI	4,896	23	5	39	67	12	*
K6JS	4,836	22	6	16	44	13	
W7LG	3,840	24	3	42	69	10	*
VE3KQN	3,616	26	3	66	95	8	
NQ2W	2,828	28	3	32	63	7	*
VE3KJQ	2,580	29	2	50	81	6	
N0LMQ	2,200	14	4	0	18	10	
N4IJ	2,156	18	5	14	37	7	
VA3IIF	1,524	23	0	12	35	6	
VE9BEL	1,440	10	3	0	13	9	
KE8CUG	1,080	10	4	0	14	6	
LY5G	900	7	1	30	38	6	
VE6EX	608	6	1	36	43	4	
VA2NT	504	9	0	18	27	4	
VE6VIC	498	6	3	23	32	3	
VE6ZC	468	12	1	8	21	3	
PE2K	324	0	0	162	162	1	*
VE3EDE	264	5	0	8	13	4	
VE2KZW	80	1	1	5	7	2	
YC1RDH	76	1	1	4	6	2	
HG7J	58	0	0	29	29	1	
OK2MPB	26	0	0	13	13	1	
W6RKC	22	1	0	6	7	1	
PY1FW	14	1	0	2	3	1	
SP2HMY	14	0	0	7	7	1	
RW3AI	8	0	0	4	4	1	
VA2NW	2	0	0	1	1	1	

Single Op All Bands SSB only (SOABPH)

Call	Score	CDN	RAC	DX	QSOs	Mult	Award
VE2NTT	258,384	357	15	1141	1513	42	**
VE4SG	88,450	202	21	305	528	29	*
VE3LRL	85,008	195	13	183	391	33	*
VA3GKO	66,092	152	15	156	323	31	
VE6IVN	64,438	157	16	166	339	29	*
VE6FI	56,208	183	5	206	394	24	
VE3PTA	52,768	107	16	81	204	34	
VA6AN	50,160	114	17	96	227	30	
VE3OOZ	45,182	115	13	74	202	29	
VE7SO	35,350	102	14	57	173	25	*
VE6MM	32,872	87	15	2	104	28	
VA3WW	30,296	73	12	56	141	28	
S51CK	28,080	85	6	295	386	18	*
VE3GYL	23,690	78	7	55	140	23	
VE2IAA	21,456	88	8	76	172	18	
VE6KD	20,576	100	7	73	180	16	
VE3AC	18,972	71	9	82	162	18	
VE3RVZ	17,856	48	11	22	81	24	
VE3IGN	17,250	41	15	20	76	23	
VA6HEM	17,136	72	3	114	189	17	
VA3IAH	15,204	51	9	17	77	21	
VE6FT	14,706	47	8	72	127	19	
VA3RMU	12,936	39	9	9	57	22	
CJ3GD	10,560	48	9	22	79	15	

In the results	an "R" indicates	a new record	, * indicate	es a Certifi	cate winne	and ** inc	dicates a C	ategory Winne	r.						
VE3KMQ	10,530	44	11	21	76	15		VA2VT	742	7	1	8	16	7	
W7WEC	10,098	41	9	2	52	17	*	W6MSN	732	5	3	6	14	6	
VO1OP	8,788	42	6	68	116	13	*	WA9PND	700	6	2	0	8	7	
VE7GEL	8,704	38	6	22	66	16	*	VE1BRR	690	11	1	4	16	5	
VE1SQ VA5DAK	8,596	41	8 7	22 17	71	14 16	*	KO4MAO VE3RXH	656 580	11 9	1 1	17 3	29 13	4	
VASDAN VA6TVA	8,064 7,680	33 36	4	36	57 76	16 15		VE3KAH VE3LDY	560	8	0	0	8	5 7	
WX0Z	7,328	33	5	14	52	16	*	VE2RRE	504	8	2	3	13	4	
VE9RLW	7,228	37	7	23	67	13	*	CK3OOZ	490	7	0	0	7	7	
N1ADX	7,136	22	10	13	45	16		N2OMD	424	4	3	3	10	4	
AI4DB	6,864	48	7	2	57	11	*	VE2SJR	420	6	1	2	9	5	
VE3KAH	6,810	26	8	17	51	15		W7MTH	414	10	1	9	20	3	
VE3THR	6,354	48	0	113	161	9		VE1MJF	400	7	1	5	13	4	
KIOR	6,240	34	7 5	0 7	41	13		F4JVZ N6WLM	376	7 5	0	12	19 7	4	
VE3TLY VE7GDH	6,162 6,144	36 15	5 11	7	48 33	13 16		KX1W	360 352	6	1 1	1 4	11	5 4	
VE5KC	6,140	47	4	32	83	10		N5MKY	328	4	2	1	7	4	
KE8NBC	5,852	31	4	14	49	14		VE6KLE	318	8	1	3	12	3	
VE9WRS	5,772	29	6	17	52	13		VA2LGQ	316	13	1	4	18	2	
VA6MA	5,768	27	6	11	44	14		N3RMC	304	3	2	3	8	4	
WX4DAT	5,712	30	6	28	64	12		VA3PNL	282	7	1	2	10	3	
VE6SLP	5,340	33	6	42	81	10		DG4MCB	280	4	1	5	10	4	
VE3IMU VA2CO	5,094 5,070	48 28	2 5	23 5	73 38	9 13		W6EMR WA4JA	280 168	3 1	2 2	0 3	5 6	4	
KZ3P	4,950	33	6	0	39	11		W9TCV	72	1	1	3	5	2	
VE7YAH	4,680	24	6	15	45	12		VE3IJM	44	2	0	1	3	2	
VE7PEY	4,510	23	7	20	50	11		DG8DZ	24	0	1	2	3	1	
VE7DX	4,444	28	5	12	45	11		JE6KFN	14	1	0	2	3	1	
VE3AVP	4,340	31	4	22	57	10		SE4L	14	0	0	7	7	1	
VA3ONO	4,104	21	5	16	42	12		SV2SKU	8	0	0	4	4	1	
VE3GRA W8LYO	4,100 4,092	26 27	7 5	5 1	38 33	10 11		Single O	p All Bands	c CW only	v (SOA)	RCW)			
VE3RYA	4,032	24	4	8	36	12		Call	Score	CDN	RAC	DX	QSOs	Mult	Award
VA7KBM	3,806	20	6	13	39	11		VA2WA	364,536	319	38	1013	1370	61	**
VE3YX	3,760	25	5	13	43	10		VE7UF	228,044	268	24	846	1138	47	*
KA0AZS	3,700	24	6	5	35	10		VA3AR	146,716	191	16	591	798	43	*
VE7XBP	3,564	19	5	17	41	11		N5RZ	139,046	245	23	424	692	37	*
VE7MHI VE9TNT	3,536 3,476	19 21	3 4	11 13	33 38	13		VA3FF K7SV	133,400 115,416	177 160	26 26	305 314	508 500	46 42	*
VE3CYX	3,476	36	1	2	39	11 9		KR2AA	105,376	171	23	339	533	37	*
VE6SYD	3,360	19	3	15	37	12		VE3JM	88,110	152	16	415	583	33	
VA3ACE	3,146	12	8	3	23	11		VE3TM	76,032	132	19	302	453	33	
W6AAE	3,144	15	5	6	26	12		VE3MA	73,088	144	17	252	413	32	
W9VTD	3,114	23	5	8	36	9		VE3KIU	71,360	144	13	265	422	32	
N2MTG VE7KPZ	3,020 2,900	16 27	6 2	11 135	33 164	10 5		VA7ST VE3ZY	70,860	126 117	16 21	391 157	533 295	30 35	
VA3UAP	2,900	23	5	133	41	8		WB8JUI	66,640 64,728	127	18	229	374	31	*
VE6PLC	2,838	22	1	9	32	11		VE6WQ	61,950	144	11	409	564	25	*
AB1F	2,838	12	6	9	27	11		VA1MM	57,650	134	13	353	500	25	*
VE3SYZ	2,820	23	2	6	31	10		VE9AA	53,708	106	11	286	403	29	*
W4SDX	2,800	21	1	60	82	8		K1IMI	46,928	124	8	138	270	28	*
NW3U	2,684	10	7	2	19	11		VA3FN	46,436	108	12	233	353	26	
VA7HC W7BGG	2,580 2,430	15 19	5 3	4 10	24 32	10 9		VA7MM VE3MM	43,800 42,692	102 105	12 7	246 226	360 338	25 26	
VE6JWG	2,430	28	1	21	50	7		KH6AQ	41,250	94	10	255	359	25	*
VA3OV	2,268	20	2	6	28	9		VC1933	40,662	105	7	158	270	27	
VA3SXP	2,268	29	1	7	37	7		K4BAI	40,650	112	12	133	257	25	
VA6DOK	2,060	13	3	8	24	10		VE3KP	40,600	95	12	217	324	25	
VA3WP	2,048	20	2	8	30	8		VA7IHF	40,204	102	14	224	340	23	.v.
VE3LDE VE1TW	1,920 1,800	24 12	0 3	0 10	24 25	8 9		N6TQ VE5GC	39,720 38,680	80 121	20 6	62 302	162 429	30 20	*
NS7U	1,652	15	4	3	22	9 7		W9RE	37,800	110	15	0	125	20 27	*
K3CU	1,600	10	5	0	15	8		K3UL	37,000	80	18	107	205	27	*
VE3EAC	1,582	14	4	3	21	7		VE3NNT	36,920	111	8	288	407	20	
VA7NCD	1,552	6	6	7	19	8		NS2N	35,168	82	15	68	165	28	
VE3JGO	1,520	6	6	5	17	8		K6NA	34,290	97	15	0	112	27	
VE2SMS	1,500	16	4	5	25	6		W1UE	33,900	57	8	313	378	25	
VA3WAX KK4CS	1,484 1,350	12 9	4 3	6 0	22 12	7 9		VE3VN K8MP	32,016 30,404	81 90	8 10	211 141	300 241	23 22	
N7LRG	1,280	10	3	0	13	8		K4WW	30,404	97	12	195	304	19	
KOSCO	1,260	8	5	0	13	7		W7QDM	30,096	82	12	97	191	24	*
VE5JHN	1,150	19	1	10	30	5		K6RB	26,560	92	7	134	233	20	
KD2REH	1,080	17	2	3	22	5		KOJJR	23,982	75	10	96	181	21	*
VA7CTG	900	10	3	10	23	5		VA3KRJ	22,836	57	10	134	201	22	
VE3JFN	880	11	0	0	11 15	8		VE3/K2NV	21,546	64 53	9 10	157	230	19 25	
CK7RC KJ7YYI	852 840	5 8	4 3	6 0	15 11	6 6		KE8PX K7NEW	21,100 19,332	52 63	10 8	62 142	124 213	25 18	
KD9KEQ	840	6	3	0	9	7		KN0V	18,326	74	7	99	180	17	
OV1RR	820	5	2	37	44	5		VE3FH	17,560	48	11	89	148	20	
VE7FAA	780	9	2	0	11	6		JA7ACM	16,796	55	9	129	193	17	*

In the results	s an "R" indicates	a new record	d, * indicat	es a Certifi	cate winne	er and ** in	dicates a Ca	ategory Winne	r.						
VE3QO	16,568	55	8	81	144	19		SV1CEI	684	7	2	2	11	6	
VL3QO VA3EC	16,082	62	4	123	189	17		AC6DF	640	8	3	10	21	4	
K7AZT	15,300	67	9	0	76	18	*	VA7EU	620	6	2	12	20	5	
W1QK	15,084	59	11	14	84	18		F5VFU	612	8	0	11	19	6	
VE7NI	14,200	45	7	60	112	20		KN6BAZ	580	5	1	23	29	5	
N0AX	13,838	51	6	92	149	17		WA3KCP	568	4	3	21	28	4	
KE0TT	13,500	73	8	5	86	15		PY2AXH	530	5	2	8	15	5	
VA7VK	12,730	37	4	110	151	19		OH2KI	528	6	2	16	24	4	
W3WHK	11,352	61	7	98	166	12		KN4ZXG	472	6	2	9	17	4	
VA3IK	11,296	38	7	93	138	16		N9CX	464	4	2	18	24	4	
WA1HEW	11,200	54	6	70	130	14		YB7XO	456	4	2	36	42	3	
N3CKI	10,410	44	7	57	108	15 15		SC60	448	6	0	26	32	4	
K7ROG	9,750	49	8	0	57	15 15		F5JBR	430	6	0	13	19	5	
N1NN VE3UZ	9,660	42	6 7	52 44	100	15 18		G3SVK OZ5UR	344	5 3	0 1	18	23 25	4	
K9DU	9,504 9,492	30 40	8	59	81 107	18 14		EX0M	276 264	3	1	21 8	25 12	3 4	
WA0LIF	9,492	35	7	33	75	17		K8LBQ	258	3 7	0	8	15	3	
NWOM	9,408	50	4	33 46	100	17		ZA1F	248	0	0	124	124	3 1	*
W7ZDX	8,908	26	6	72	104	17		JA3JM	240	4	0	10	14	4	
VE9KK	8,808	45	4	102	151	12		YO4SI	240	5	0	15	20	3	
K2MN	8,670	28	11	5	44	17		OH1TS	198	5	0	8	13	3	
VE5KS	8,540	38	6	55	99	14		OK1OA	186	3	0	16	19	3	
KW4CW	8,480	32	7	35	74	16		UR5CC	186	5	0	6	11	3	
K4GM	8,476	40	6	66	112	13		JF2FIU	128	4	0	12	16	2	
N7WY	8,092	40	6	29	75	14		LB2WD	116	3	0	14	17	2	
NF8M	8,092	37	5	54	96	14		PA2VS	102	0	0	51	51	1	*
VE3LC	7,956	41	3	71	115	13		E74X	96	2	0	14	16	2	
F5ICC	7,672	30	5	74	109	14	*	WB2KWC	96	2	1	4	7	2	
KB1VUN	7,410	43	7	0	50	13		N8HWV	72	2	0	8	10	2	
DL5KUD	6,112	20	5	41	66	16	*	SD1A	38	2	0	9	11	1	
N6MA	6,006	39	2	58	99	11		JH2RIH	34	3	0	2	5	1	
VA7OM	5,918	29	2	104	135	11	*	Cinalo O	A a a : a t a al	Likah Day	(50	ALID)			
G2E	5,640	17	5	147	169 95	10 9	*	Call	p Assisted Score	CDN	ver (50 RAC	DX	QSOs	Mult	Award
VA3GE AF4T	5,220 4,848	42 22	3 7	50 22	95 51	12		VE3ZF	747,408	701	41	147	889	92	Awaiu **
W2DXE	4,554	34	3	7	31 44	11		VE4RAC	696,522	595	37	658	1290	87	*
W1END	4,140	30	3	50	83	9		N6AR	358,144	388	46	398	832	64	*
VE3QN	3,718	18	5	29	52	11		VE3MIS	191,136	221	15	736	972	48	
KM4FO	3,696	22	1	34	57	12		VE3YT	191,052	225	25	394	644	54	
VE6GL	3,510	15	5	10	30	13		VE4CDX	140,852	208	21	281	510	46	
		21	5	0	26	11		VE7KW	132,822	172	22	333	527	47	*
NC6V PY2KJ	3,410 3,220		5 2	0 26			*								
NC6V	3,410	21			26	11	*	VE7KW VE3TW KV0I	132,822 125,010 120,648	172 199 251	22 21 21	333 184 363	527 404 635	47 45 33	*
NC6V PY2KJ	3,410 3,220	21 23	2	26	26 51	11 10	*	VE7KW VE3TW KV0I K4RUM	132,822 125,010 120,648 117,300	172 199 251 142	22 21 21 28	333 184 363 285	527 404 635 455	47 45 33 46	*
NC6V PY2KJ AA0AW VE7ARN VE2OXP	3,410 3,220 3,204	21 23 29	2 1	26 23	26 51 53	11 10 9	*	VE7KW VE3TW KV0I K4RUM W5TM	132,822 125,010 120,648 117,300 109,440	172 199 251 142 218	22 21 21 28 25	333 184 363 285 180	527 404 635 455 423	47 45 33 46 36	*
NC6V PY2KJ AA0AW VE7ARN VE2OXP K7ZYV	3,410 3,220 3,204 3,168 3,146 3,120	21 23 29 15 15	2 1 3	26 23 27 6 0	26 51 53 45 25 20	11 10 9 12 13 12		VE7KW VE3TW KV0I K4RUM W5TM K0TRL	132,822 125,010 120,648 117,300 109,440 107,272	172 199 251 142 218 179	22 21 21 28 25 27	333 184 363 285 180 54	527 404 635 455 423 260	47 45 33 46 36 44	*
NC6V PY2KJ AA0AW VE7ARN VE2OXP K7ZYV SF6W	3,410 3,220 3,204 3,168 3,146 3,120 3,042	21 23 29 15 15 14	2 1 3 4 6	26 23 27 6 0 94	26 51 53 45 25 20 108	11 10 9 12 13 12 9	*	VE7KW VE3TW KV0I K4RUM W5TM K0TRL CK3KG	132,822 125,010 120,648 117,300 109,440 107,272 105,616	172 199 251 142 218 179 173	22 21 21 28 25 27 15	333 184 363 285 180 54 273	527 404 635 455 423 260 461	47 45 33 46 36 44 41	*
NC6V PY2KJ AA0AW VE7ARN VE2OXP K7ZYV SF6W K9GB	3,410 3,220 3,204 3,168 3,146 3,120 3,042 2,970	21 23 29 15 15 14 13 23	2 1 3 4 6 1 5	26 23 27 6 0 94 0	26 51 53 45 25 20 108 28	11 10 9 12 13 12 9		VE7KW VE3TW KV0I K4RUM W5TM K0TRL CK3KG G3ORY	132,822 125,010 120,648 117,300 109,440 107,272 105,616 92,278	172 199 251 142 218 179 173	22 21 21 28 25 27 15 23	333 184 363 285 180 54 273 268	527 404 635 455 423 260 461 406	47 45 33 46 36 44 41 43	*
NC6V PY2KJ AA0AW VE7ARN VE2OXP K7ZYV SF6W K9GB N6TTV	3,410 3,220 3,204 3,168 3,146 3,120 3,042 2,970 2,900	21 23 29 15 15 14 13 23	2 1 3 4 6 1 5 7	26 23 27 6 0 94 0	26 51 53 45 25 20 108 28 22	11 10 9 12 13 12 9		VE7KW VE3TW KV0I K4RUM W5TM K0TRL CK3KG G3ORY VE3WVA	132,822 125,010 120,648 117,300 109,440 107,272 105,616 92,278 92,112	172 199 251 142 218 179 173 115	22 21 21 28 25 27 15 23 9	333 184 363 285 180 54 273 268 202	527 404 635 455 423 260 461 406 395	47 45 33 46 36 44 41 43 38	*
NC6V PY2KJ AA0AW VE7ARN VE2OXP K7ZYV SF6W K9GB N6TTV VA3CY	3,410 3,220 3,204 3,168 3,146 3,120 3,042 2,970 2,900 2,750	21 23 29 15 15 14 13 23 15	2 1 3 4 6 1 5 7 5	26 23 27 6 0 94 0 0	26 51 53 45 25 20 108 28 22 32	11 10 9 12 13 12 9 9		VE7KW VE3TW KV0I K4RUM W5TM K0TRL CK3KG G3ORY	132,822 125,010 120,648 117,300 109,440 107,272 105,616 92,278 92,112 81,968	172 199 251 142 218 179 173 115 184	22 21 21 28 25 27 15 23	333 184 363 285 180 54 273 268	527 404 635 455 423 260 461 406	47 45 33 46 36 44 41 43 38 47	*
NC6V PY2KJ AA0AW VE7ARN VE2OXP K7ZYV SF6W K9GB N6TTV VA3CY UY5ZZ	3,410 3,220 3,204 3,168 3,146 3,120 3,042 2,970 2,900 2,750 2,728	21 23 29 15 15 14 13 23 15 12	2 1 3 4 6 1 5 7 5	26 23 27 6 0 94 0 0 15	26 51 53 45 25 20 108 28 22 32 30	11 10 9 12 13 12 9 9 10 11		VE7KW VE3TW KV0I K4RUM W5TM KOTRL CK3KG G3ORY VE3WVA VE7XF	132,822 125,010 120,648 117,300 109,440 107,272 105,616 92,278 92,112	172 199 251 142 218 179 173 115	22 21 21 28 25 27 15 23 9 21	333 184 363 285 180 54 273 268 202 142	527 404 635 455 423 260 461 406 395 267	47 45 33 46 36 44 41 43 38	*
NC6V PY2KJ AA0AW VE7ARN VE2OXP K7ZYV SF6W K9GB N6TTV VA3CY UY5ZZ W9DKB	3,410 3,220 3,204 3,168 3,146 3,120 3,042 2,970 2,900 2,750 2,728 2,700	21 23 29 15 15 14 13 23 15 12 10 21	2 1 3 4 6 1 5 7 5 6 3	26 23 27 6 0 94 0 0 15 14	26 51 53 45 25 20 108 28 22 32 30 24	11 10 9 12 13 12 9 9 10 11 11		VE7KW VE3TW KV0I K4RUM W5TM K0TRL CK3KG G3ORY VE3WVA VE7XF K4NMR	132,822 125,010 120,648 117,300 109,440 107,272 105,616 92,278 92,112 81,968 75,516	172 199 251 142 218 179 173 115 184 104 162	22 21 21 28 25 27 15 23 9 21	333 184 363 285 180 54 273 268 202 142 208	527 404 635 455 423 260 461 406 395 267 390	47 45 33 46 36 44 41 43 38 47	*
NC6V PY2KJ AA0AW VE7ARN VE2OXP K7ZYV SF6W K9GB N6TTV VA3CY UY5ZZ W9DKB K8IJ	3,410 3,220 3,204 3,168 3,146 3,120 3,042 2,970 2,900 2,750 2,728 2,700 2,600	21 23 29 15 15 14 13 23 15 12 10 21	2 1 3 4 6 1 5 7 5 6 3 1	26 23 27 6 0 94 0 0 15 14 0	26 51 53 45 25 20 108 28 22 32 30 24 25	11 10 9 12 13 12 9 10 11 11 10		VE7KW VE3TW KV0I K4RUM W5TM K0TRL CK3KG G3ORY VE3WVA VE7XF K4NMR VA3TNM WA5LFD K1GQ	132,822 125,010 120,648 117,300 109,440 107,272 105,616 92,278 92,112 81,968 75,516 64,600	172 199 251 142 218 179 173 115 184 104 162 117	22 21 21 28 25 27 15 23 9 21 20	333 184 363 285 180 54 273 268 202 142 208 205	527 404 635 455 423 260 461 406 395 267 390 338	47 45 33 46 36 44 41 43 38 47 31 34	* * *
NC6V PY2KJ AA0AW VE7ARN VE2OXP K7ZYV SF6W K9GB N6TTV VA3CY UY5ZZ W9DKB K8IJ K5LY	3,410 3,220 3,204 3,168 3,146 3,120 3,042 2,970 2,900 2,750 2,728 2,700 2,600 2,394	21 23 29 15 15 14 13 23 15 12 10 21 24 25	2 1 3 4 6 1 5 7 5 6 3 1 4	26 23 27 6 0 94 0 0 15 14 0	26 51 53 45 25 20 108 28 22 32 30 24 25 35	11 10 9 12 13 12 9 10 11 11 10 10		VE7KW VE3TW KV0I K4RUM W5TM K0TRL CK3KG G3ORY VE3WVA VE7XF K4NMR VA3TNM WA5LFD K1GQ WA3AAN	132,822 125,010 120,648 117,300 109,440 107,272 105,616 92,278 92,112 81,968 75,516 64,600 61,418 60,760 57,240	172 199 251 142 218 179 173 115 184 104 162 117 97 135	22 21 21 28 25 27 15 23 9 21 20 16 24 19 21	333 184 363 285 180 54 273 268 202 142 208 205 24 3 85	527 404 635 455 423 260 461 406 395 267 390 338 145 157 206	47 45 33 46 36 44 41 43 38 47 31 34 41 35 36	*
NC6V PY2KJ AA0AW VE7ARN VE2OXP K7ZYV SF6W K9GB N6TTV VA3CY UY5ZZ W9DKB K8IJ K5LY WN3F	3,410 3,220 3,204 3,168 3,146 3,120 3,042 2,970 2,900 2,750 2,728 2,700 2,600 2,394 2,156	21 23 29 15 15 14 13 23 15 12 10 21 24 25	2 1 3 4 6 1 5 7 5 6 3 1 4 3	26 23 27 6 0 94 0 0 15 14 0 0 6	26 51 53 45 25 20 108 28 22 32 30 24 25 35 27	11 10 9 12 13 12 9 10 11 11 10 7		VE7KW VE3TW KV0I K4RUM W5TM K0TRL CK3KG G3ORY VE3WVA VE7XF K4NMR VA3TNM WA5LFD K1GQ WA3AAN WA8KAN	132,822 125,010 120,648 117,300 109,440 107,272 105,616 92,278 92,112 81,968 75,516 64,600 61,418 60,760 57,240 56,468	172 199 251 142 218 179 173 115 184 104 162 117 97 135 100 81	22 21 21 28 25 27 15 23 9 21 20 16 24 19 21 23	333 184 363 285 180 54 273 268 202 142 208 205 24 3 85 108	527 404 635 455 423 260 461 406 395 267 390 338 145 157 206 212	47 45 33 46 36 44 41 43 38 47 31 34 41 35 36 38	* * *
NC6V PY2KJ AA0AW VE7ARN VE2OXP K7ZYV SF6W K9GB N6TTV VA3CY UY5ZZ W9DKB K8IJ K5LY	3,410 3,220 3,204 3,168 3,146 3,120 3,042 2,970 2,900 2,750 2,728 2,700 2,600 2,394	21 23 29 15 15 14 13 23 15 12 10 21 24 25	2 1 3 4 6 1 5 7 5 6 3 1 4	26 23 27 6 0 94 0 0 15 14 0	26 51 53 45 25 20 108 28 22 32 30 24 25 35	11 10 9 12 13 12 9 10 11 11 10 10		VE7KW VE3TW KV0I K4RUM W5TM K0TRL CK3KG G3ORY VE3WVA VE7XF K4NMR VA3TNM WA5LFD K1GQ WA3AAN WA8KAN VA7DX	132,822 125,010 120,648 117,300 109,440 107,272 105,616 92,278 92,112 81,968 75,516 64,600 61,418 60,760 57,240 56,468 53,760	172 199 251 142 218 179 173 115 184 104 162 117 97 135 100 81	22 21 21 28 25 27 15 23 9 21 20 16 24 19 21 23 10	333 184 363 285 180 54 273 268 202 142 208 205 24 3 85 108 290	527 404 635 455 423 260 461 406 395 267 390 338 145 157 206 212 414	47 45 33 46 36 44 41 43 38 47 31 34 41 35 36 38 28	* * *
NC6V PY2KJ AA0AW VE7ARN VE2OXP K7ZYV SF6W K9GB N6TTV VA3CY UY5ZZ W9DKB K8IJ K5LY WN3F CY1NA	3,410 3,220 3,204 3,168 3,146 3,120 3,042 2,970 2,900 2,750 2,728 2,700 2,600 2,394 2,156 2,070	21 23 29 15 15 14 13 23 15 12 10 21 24 25 11	2 1 3 4 6 1 5 7 5 6 3 1 4 3 2	26 23 27 6 0 94 0 0 15 14 0 0 6	26 51 53 45 25 20 108 28 22 32 30 24 25 35 27	11 10 9 12 13 12 9 10 11 11 10 7 11		VE7KW VE3TW KV0I K4RUM W5TM K0TRL CK3KG G3ORY VE3WVA VE7XF K4NMR VA3TNM WA5LFD K1GQ WA3AAN WA8KAN VA7DX N3RJ	132,822 125,010 120,648 117,300 109,440 107,272 105,616 92,278 92,112 81,968 75,516 64,600 61,418 60,760 57,240 56,468 53,760 47,376	172 199 251 142 218 179 173 115 184 104 162 117 97 135 100 81 114 87	22 21 21 28 25 27 15 23 9 21 20 16 24 19 21 23 10 20	333 184 363 285 180 54 273 268 202 142 208 205 24 3 85 108 290 23	527 404 635 455 423 260 461 406 395 267 390 338 145 157 206 212 414 130	47 45 33 46 36 44 41 43 38 47 31 34 41 35 36 38 28 36	* * *
NC6V PY2KJ AA0AW VE7ARN VE2OXP K7ZYV SF6W K9GB N6TTV VA3CY UY5ZZ W9DKB K8IJ K5LY WN3F CY1NA N6GP	3,410 3,220 3,204 3,168 3,146 3,120 3,042 2,970 2,750 2,750 2,728 2,700 2,600 2,394 2,156 2,070 1,944	21 23 29 15 15 14 13 23 15 12 10 21 24 25 11 18	2 1 3 4 6 1 5 7 5 6 3 1 4 3 2 4	26 23 27 6 0 94 0 0 15 14 0 0 6 13 5 3	26 51 53 45 25 20 108 28 22 32 30 24 25 35 27 25 20	11 10 9 12 13 12 9 10 11 11 10 7 11 9		VE7KW VE3TW KV0I K4RUM W5TM K0TRL CK3KG G3ORY VE3WVA VE7XF K4NMR VA3TNM WA5LFD K1GQ WA3AAN WA8KAN VA7DX N3RJ NT2DR	132,822 125,010 120,648 117,300 109,440 107,272 105,616 92,278 92,112 81,968 75,516 64,600 61,418 60,760 57,240 56,468 53,760 47,376 46,920	172 199 251 142 218 179 173 115 184 104 162 117 97 135 100 81 114 87	22 21 21 28 25 27 15 23 9 21 20 16 24 19 21 23 10 20 13	333 184 363 285 180 54 273 268 202 142 208 205 24 3 85 108 290 23 152	527 404 635 455 423 260 461 406 395 267 390 338 145 157 206 212 414 130 265	47 45 33 46 36 44 41 43 38 47 31 34 41 35 36 38 28 36 30	* * *
NC6V PY2KJ AA0AW VE7ARN VE2OXP K7ZYV SF6W K9GB N6TTV VA3CY UY5ZZ W9DKB K8IJ K5LY WN3F CY1NA N6GP N4IU	3,410 3,220 3,204 3,168 3,146 3,120 3,042 2,970 2,900 2,750 2,728 2,700 2,600 2,394 2,156 2,070 1,944 1,872	21 23 29 15 15 14 13 23 15 12 10 21 24 25 11 18 13	2 1 3 4 6 1 5 7 5 6 3 1 4 3 2 4	26 23 27 6 0 94 0 0 15 14 0 0 6 13 5 3	26 51 53 45 25 20 108 28 22 32 30 24 25 35 27 25 20 29	11 10 9 12 13 12 9 10 11 11 10 7 11 9 9	*	VE7KW VE3TW KV0I K4RUM W5TM K0TRL CK3KG G3ORY VE3WVA VE7XF K4NMR VA3TNM WA5LFD K1GQ WA3AAN WA7DX N3RJ NT2DR N4BP	132,822 125,010 120,648 117,300 109,440 107,272 105,616 92,278 92,112 81,968 75,516 64,600 61,418 60,760 57,240 56,468 53,760 47,376 46,920 43,838	172 199 251 142 218 179 173 115 184 104 162 117 97 135 100 81 114 87 100 129	22 21 21 28 25 27 15 23 9 21 20 16 24 19 21 23 10 20 13 8	333 184 363 285 180 54 273 268 202 142 208 205 24 3 85 108 290 23 152 228	527 404 635 455 423 260 461 406 395 267 390 338 145 157 206 212 414 130 265 365	47 45 33 46 36 44 41 43 38 47 31 34 41 35 36 38 28 36 30 23	* * *
NC6V PY2KJ AA0AW VE7ARN VE2OXP K7ZYV SF6W K9GB N6TTV VA3CY UY5ZZ W9DKB K8IJ K5LY WN3F CY1NA N6GP N4IU OK1KTI	3,410 3,220 3,204 3,168 3,146 3,120 3,042 2,970 2,900 2,750 2,728 2,700 2,600 2,394 2,156 2,070 1,944 1,872 1,848	21 23 29 15 15 14 13 23 15 12 10 21 24 25 11 18 13 13	2 1 3 4 6 1 5 7 5 6 3 1 4 3 2 4 4	26 23 27 6 0 94 0 0 15 14 0 0 6 13 5 3 12	26 51 53 45 25 20 108 28 22 32 30 24 25 35 27 25 20 29 55	11 10 9 12 13 12 9 10 11 11 10 7 11 9 9	*	VE7KW VE3TW KV0I K4RUM W5TM K0TRL CK3KG G3ORY VE3WVA VE7XF K4NMR VA3TNM WA5LFD K1GQ WA3AAN WA7DX N3RJ NT2DR N4BP VA3OGG	132,822 125,010 120,648 117,300 109,440 107,272 105,616 92,278 92,112 81,968 75,516 64,600 61,418 60,760 57,240 56,468 53,760 47,376 46,920 43,838 43,108	172 199 251 142 218 179 173 115 184 104 162 117 97 135 100 81 114 87 100 129 137	22 21 21 28 25 27 15 23 9 21 20 16 24 19 21 23 10 20 13 8 9	333 184 363 285 180 54 273 268 202 142 208 205 24 3 85 108 290 23 152 228 54	527 404 635 455 423 260 461 406 395 267 390 338 145 157 206 212 414 130 265 365 200	47 45 33 46 36 44 41 43 38 47 31 34 41 35 36 38 28 36 30 23 26	* * *
NC6V PY2KJ AA0AW VE7ARN VE2OXP K7ZYV SF6W K9GB N6TTV VA3CY UY5ZZ W9DKB K8IJ K5LY WN3F CY1NA N6GP N4IU OK1KTI VE3NRT VA3GUY NJ8J	3,410 3,220 3,204 3,168 3,146 3,120 3,042 2,970 2,900 2,750 2,728 2,700 2,600 2,394 2,156 2,070 1,944 1,872 1,848 1,744 1,648 1,600	21 23 29 15 15 14 13 23 15 12 10 21 24 25 11 18 13 13 17 28 13	2 1 3 4 6 1 5 7 5 6 3 1 4 3 2 4 4 1 0 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1	26 23 27 6 0 94 0 0 15 14 0 0 6 13 5 3 12 37 78 28	26 51 53 45 25 20 108 28 22 30 24 25 35 27 25 20 29 55 106 42 28	11 10 9 12 13 12 9 10 11 11 10 7 11 9 8 7 4 8 8	*	VE7KW VE3TW KV0I K4RUM W5TM K0TRL CK3KG G3ORY VE3WVA VE7XF K4NMR VA3TNM WA5LFD K1GQ WA3AAN WA7DX N3RJ NT2DR N4BP	132,822 125,010 120,648 117,300 109,440 107,272 105,616 92,278 92,112 81,968 75,516 64,600 61,418 60,760 57,240 56,468 53,760 47,376 46,920 43,838 43,108 39,996	172 199 251 142 218 179 173 115 184 104 162 117 97 135 100 81 114 87 100 129 137 80	22 21 21 28 25 27 15 23 9 21 20 16 24 19 21 23 10 20 13 8	333 184 363 285 180 54 273 268 202 142 208 205 24 3 85 108 290 23 152 228 54 86	527 404 635 455 423 260 461 406 395 267 390 338 145 157 206 212 414 130 265 365	47 45 33 46 36 44 41 43 38 47 31 34 41 35 36 38 28 36 30 23 26 33	* * *
NC6V PY2KJ AA0AW VE7ARN VE2OXP K7ZYV SF6W K9GB N6TTV VA3CY UY5ZZ W9DKB K8IJ K5LY WN3F CY1NA N6GP N4IU OK1KTI VE3NRT VA3GUY NJ8J K6CSL	3,410 3,220 3,204 3,168 3,146 3,120 3,042 2,970 2,900 2,750 2,728 2,700 2,600 2,394 2,156 2,070 1,944 1,872 1,848 1,744 1,648 1,600 1,568	21 23 29 15 15 14 13 23 15 12 10 21 24 25 11 18 13 13 17 28 13	2 1 3 4 6 1 5 7 5 6 3 1 4 3 2 4 4 1 0 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1	26 23 27 6 0 94 0 0 15 14 0 0 6 13 5 3 12 37 78 28 15 27	26 51 53 45 25 20 108 28 22 32 30 24 25 35 27 25 20 29 55 106 42 28 42	11 10 9 12 13 12 9 10 11 11 10 7 11 9 8 7 4 8 8 7	*	VE7KW VE3TW KV0I K4RUM W5TM K0TRL CK3KG G3ORY VE3WVA VE7XF K4NMR VA3TNM WA5LFD K1GQ WA3AAN WA8KAN VA7DX N3RJ NT2DR N4BP VA3OGG K0VBU	132,822 125,010 120,648 117,300 109,440 107,272 105,616 92,278 92,112 81,968 75,516 64,600 61,418 60,760 57,240 56,468 53,760 47,376 46,920 43,838 43,108	172 199 251 142 218 179 173 115 184 104 162 117 97 135 100 81 114 87 100 129 137	22 21 21 28 25 27 15 23 9 21 20 16 24 19 21 23 10 20 13 8 9	333 184 363 285 180 54 273 268 202 142 208 205 24 3 85 108 290 23 152 228 54	527 404 635 455 423 260 461 406 395 267 390 338 145 157 206 212 414 130 265 365 200 178	47 45 33 46 36 44 41 43 38 47 31 34 41 35 36 38 28 36 30 23 26	* * *
NC6V PY2KJ AA0AW VE7ARN VE2OXP K7ZYV SF6W K9GB N6TTV VA3CY UY5ZZ W9DKB K8IJ K5LY WN3F CY1NA N6GP N4IU OK1KTI VE3NRT VA3GUY NJ8J K6CSL NF6R	3,410 3,220 3,204 3,168 3,146 3,120 3,042 2,970 2,970 2,750 2,728 2,700 2,600 2,394 2,156 2,070 1,944 1,872 1,848 1,744 1,648 1,600 1,568 1,526	21 23 29 15 15 14 13 23 15 12 10 21 24 25 11 18 13 13 17 28 13 9 13	2 1 3 4 6 1 5 7 5 6 3 1 4 3 2 4 4 1 0 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1	26 23 27 6 0 94 0 0 15 14 0 0 6 13 5 3 12 37 78 28 15 27 9	26 51 53 45 25 20 108 28 22 32 30 24 25 35 27 25 20 29 55 106 42 28 42 27	11 10 9 12 13 12 9 10 11 11 10 7 11 9 8 7 4 8 8 7 7	*	VE7KW VE3TW KV0I K4RUM W5TM KOTRL CK3KG G3ORY VE3WVA VE7XF K4NMR VA3TNM WA5LFD K1GQ WA3AAN WA8KAN VA7DX N3RJ NT2DR N4BP VA3OGG K0VBU AA3B	132,822 125,010 120,648 117,300 109,440 107,272 105,616 92,278 92,112 81,968 75,516 64,600 61,418 60,760 57,240 56,468 53,760 47,376 46,920 43,838 43,108 39,996 39,904	172 199 251 142 218 179 173 115 184 104 162 117 97 135 100 81 114 87 100 129 137 80 53	22 21 21 28 25 27 15 23 9 21 20 16 24 19 21 23 10 20 13 8 9	333 184 363 285 180 54 273 268 202 142 208 205 24 3 85 108 290 23 152 228 54 86 273	527 404 635 455 423 260 461 406 395 267 390 338 145 157 206 212 414 130 265 365 200 178 341	47 45 33 46 36 44 41 43 38 47 31 34 41 35 36 38 28 36 30 23 26 33 29	* * *
NC6V PY2KJ AA0AW VE7ARN VE2OXP K7ZYV SF6W K9GB N6TTV VA3CY UY5ZZ W9DKB K8IJ K5LY WN3F CY1NA N6GP N4IU OK1KTI VE3NRT VA3GUY NJ8J K6CSL NF6R EA5HEU	3,410 3,220 3,204 3,168 3,146 3,120 3,042 2,970 2,900 2,750 2,728 2,700 2,600 2,394 2,156 2,070 1,944 1,872 1,848 1,648 1,648 1,600 1,568 1,526 1,484	21 23 29 15 15 14 13 23 15 12 10 21 24 25 11 18 13 13 17 28 13 9 13 16 10	2 1 3 4 6 1 5 7 5 6 3 1 4 3 2 4 4 1 0 1 1 4 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	26 23 27 6 0 94 0 0 15 14 0 0 6 13 5 3 7 7 8 28 15 27 9	26 51 53 45 25 20 108 28 22 32 30 24 25 35 27 25 20 29 55 106 42 28 42 27 57	11 10 9 12 13 12 9 10 11 11 10 7 11 9 8 7 4 8 8 7 7	*	VE7KW VE3TW KV0I K4RUM W5TM K0TRL CK3KG G3ORY VE3WVA VE7XF K4NMR VA3TNM WA5LFD K1GQ WA3AAN WA8KAN VA7DX N3RJ NT2DR N4BP VA3OGG K0VBU AA3B W0VQ	132,822 125,010 120,648 117,300 109,440 107,272 105,616 92,278 92,112 81,968 75,516 64,600 61,418 60,760 57,240 56,468 53,760 47,376 46,920 43,838 43,108 39,996 39,904 39,760	172 199 251 142 218 179 173 115 184 104 162 117 97 135 100 81 114 87 100 129 137 80 53 76	22 21 21 28 25 27 15 23 9 21 20 16 24 19 21 23 10 20 13 8 9 12 15	333 184 363 285 180 54 273 268 202 142 208 205 24 3 85 108 290 23 152 228 54 86 273 28	527 404 635 455 423 260 461 406 395 267 390 338 145 157 206 212 414 130 265 365 200 178 341 120	47 45 33 46 36 44 41 43 38 47 31 34 41 35 36 38 28 36 30 23 26 33 29 23 29 23	* * *
NC6V PY2KJ AA0AW VE7ARN VE2OXP K7ZYV SF6W K9GB N6TTV VA3CY UY5ZZ W9DKB K8IJ K5LY WN3F CY1NA N6GP N4IU OK1KTI VE3NRT VA3GUY NJ8J K6CSL NF6R EA5HEU N1DC	3,410 3,220 3,204 3,168 3,146 3,120 3,042 2,970 2,900 2,750 2,728 2,700 2,600 2,394 2,156 2,070 1,944 1,872 1,848 1,744 1,648 1,600 1,568 1,526 1,484 1,428	21 23 29 15 15 14 13 23 15 12 10 21 24 25 11 18 13 17 28 13 9 13 16 10 11	2 1 3 4 6 1 5 7 5 6 3 1 4 3 2 4 4 1 0 1 1 4 2 2 1 1 2 2 1 2 2 1 2 2 1 2 2 2 1 2 2 2 1 2	26 23 27 6 0 94 0 0 15 14 0 0 6 13 5 3 12 37 78 28 15 27 9 46 27	26 51 53 45 25 20 108 28 22 32 30 24 25 35 27 25 20 29 55 106 42 28 42 27 57 40	11 10 9 12 13 12 9 10 11 11 10 7 11 9 8 7 4 8 8 7 7	*	VE7KW VE3TW KV0I K4RUM W5TM K0TRL CK3KG G3ORY VE3WVA VE7XF K4NMR VA3TNM WA5LFD K1GQ WA3AAN WA8KAN VA7DX N3RJ NT2DR N4BP VA3OGG K0VBU AA3B W0VQ VA3FH VE7WNK N7EPD	132,822 125,010 120,648 117,300 109,440 107,272 105,616 92,278 92,112 81,968 75,516 64,600 61,418 60,760 57,240 56,468 53,760 47,376 46,920 43,838 43,108 39,996 39,904 39,760 38,686 37,306 36,518	172 199 251 142 218 179 173 115 184 104 162 117 97 135 100 81 114 87 100 129 137 80 53 76 67 109 72	22 21 21 28 25 27 15 23 9 21 20 16 24 19 21 23 10 20 13 8 9 12 15 16 16 16 17 17 18 19 19 19 19 19 19 19 19 19 19 19 19 19	333 184 363 285 180 54 273 268 202 142 208 205 24 3 85 108 290 23 152 228 54 86 273 28 172 146 59	527 404 635 455 423 260 461 406 395 267 390 338 145 157 206 212 414 130 265 365 200 178 341 120 255 267 148	47 45 33 46 36 44 41 43 38 47 31 34 41 35 36 38 28 36 30 23 26 33 29 29 23 31	* * *
NC6V PY2KJ AA0AW VE7ARN VE2OXP K7ZYV SF6W K9GB N6TTV VA3CY UY5ZZ W9DKB K8IJ K5LY WN3F CY1NA N6GP N4IU OK1KTI VE3NRT VA3GUY NJ8J K6CSL NF6R EA5HEU N1DC N5CXX	3,410 3,220 3,204 3,168 3,146 3,120 3,042 2,970 2,900 2,750 2,728 2,700 2,600 2,394 2,156 2,070 1,944 1,872 1,848 1,744 1,648 1,600 1,568 1,526 1,428 1,428	21 23 29 15 15 14 13 23 15 12 10 21 24 25 11 18 13 13 17 28 13 17 28 13 16 10 11 11 13	2 1 3 4 6 1 5 7 5 6 3 1 4 3 2 4 4 1 0 1 1 4 2 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 1 2 1 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 2 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 2 1 1 1 2 2 1 1 1 2 1 1 1 2 1 1 1 2 2 1 1 1 2 2 2 1 1 1 1 1 2 2 1 1 1 1 2 1 1 1 2 2 1 1 1 1 2 1 2 1 1 1 1 2 1 1 2 1 1 2 2 1 1 1 2 1 2 1 2 2 1 1 2 2 2 2 1 1 2 2 2 2 1 1 2 2 1 2 2 1 2 2 2 2 2 2 2 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 2 2 2 2 2 2 2 1 2 2 2 2	26 23 27 6 0 94 0 0 15 14 0 0 6 13 5 3 7 7 8 28 15 27 9 46 27 27	26 51 53 45 25 20 108 28 22 32 30 24 25 35 27 25 20 29 55 106 42 28 42 27 57 40 41	11 10 9 12 13 12 9 10 11 11 10 7 11 9 8 7 4 8 8 7 7 7	*	VE7KW VE3TW KV0I K4RUM W5TM K0TRL CK3KG G3ORY VE3WVA VE7XF K4NMR VA3TNM WA5LFD K1GQ WA3AAN WA8KAN VA7DX N3RJ NT2DR N4BP VA3OGG K0VBU AA3B WOVQ VA3FH VE7WNK N7EPD N0TA	132,822 125,010 120,648 117,300 109,440 107,272 105,616 92,278 92,112 81,968 75,516 64,600 61,418 60,760 57,240 56,468 53,760 47,376 46,920 43,838 43,108 39,996 39,904 39,760 38,686 37,306 36,518 35,586	172 199 251 142 218 179 173 115 184 104 162 117 97 135 100 81 114 87 100 129 137 80 53 76 67 109 72 91	22 21 21 28 25 27 15 23 9 21 20 16 24 19 21 23 10 20 13 8 9 12 15 16 16 16 17 16 16 17 16 16 16 17 16 16 16 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	333 184 363 285 180 54 273 268 202 142 208 205 24 3 85 108 290 23 152 228 54 86 273 28 172 146 59 44	527 404 635 455 423 260 461 406 395 267 390 338 145 157 206 212 414 130 265 365 200 178 341 120 255 267 148 151	47 45 33 46 36 44 41 43 38 47 31 34 41 35 36 38 28 36 30 23 29 35 29 23 31 27	* * *
NC6V PY2KJ AA0AW VE7ARN VE2OXP K7ZYV SF6W K9GB N6TTV VA3CY UY5ZZ W9DKB K8IJ K5LY WN3F CY1NA N6GP N4IU OK1KTI VE3NRT VA3GUY NJ8J K6CSL NF6R EA5HEU N1DC N5CXX WB7S	3,410 3,220 3,204 3,168 3,146 3,120 3,042 2,970 2,900 2,750 2,728 2,700 2,600 2,394 2,156 2,070 1,944 1,872 1,848 1,744 1,648 1,600 1,568 1,526 1,484 1,428 1,428 1,428	21 23 29 15 15 14 13 23 15 12 10 21 24 25 11 18 13 13 17 28 13 9 13 16 10 11 13	2 1 3 4 6 1 5 7 5 6 3 1 4 3 2 4 4 1 0 1 4 2 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	26 23 27 6 0 94 0 0 15 14 0 0 6 13 5 3 12 37 78 28 15 27 9 46 27 27 21	26 51 53 45 25 20 108 28 22 32 30 24 25 35 27 25 20 29 55 106 42 28 42 27 57 40 41 35	11 10 9 12 13 12 9 10 11 11 10 7 11 9 8 7 4 8 8 7 7 7	*	VE7KW VE3TW KV0I K4RUM W5TM K0TRL CK3KG G3ORY VE3WVA VE7XF K4NMR VA3TNM WA5LFD K1GQ WA3AAN WA7DX N3RJ NT2DR N4BP VA3OGG K0VBU AA3B W0VQ VA3FH VE7WNK N7EPD N0TA VE3FC	132,822 125,010 120,648 117,300 109,440 107,272 105,616 92,278 92,112 81,968 75,516 64,600 61,418 60,760 57,240 56,468 53,760 47,376 46,920 43,838 43,108 39,996 39,904 39,906 38,686 37,306 36,518 35,586 35,292	172 199 251 142 218 179 173 115 184 104 162 117 97 135 100 81 114 87 100 129 137 80 53 76 67 109 72 91	22 21 21 28 25 27 15 23 9 21 20 16 24 19 21 23 10 20 13 8 9 12 15 16 16 16 17 16 16 16 17 16 16 16 16 16 16 16 16 16 16 16 16 16	333 184 363 285 180 54 273 268 202 142 208 205 24 3 85 108 290 23 152 228 54 86 273 28 172 146 59 44 213	527 404 635 455 423 260 461 406 395 267 390 338 145 157 206 212 414 130 265 365 200 178 341 120 255 267 148 151 367	47 45 33 46 36 44 41 43 38 47 31 34 41 35 36 38 28 36 30 23 26 33 29 25 29 23 31 27 17	* * *
NC6V PY2KJ AA0AW VE7ARN VE2OXP K7ZYV SF6W K9GB N6TTV VA3CY UY5ZZ W9DKB K8IJ K5LY WN3F CY1NA N6GP N4IU OK1KTI VE3NRT VA3GUY NJ8J K6CSL NF6R EA5HEU N1DC N5CXX WB7S EW1TO	3,410 3,220 3,204 3,168 3,146 3,120 3,042 2,970 2,900 2,750 2,728 2,700 2,600 2,394 2,156 2,070 1,944 1,872 1,848 1,744 1,648 1,600 1,568 1,526 1,484 1,428 1,428 1,428 1,344 1,340	21 23 29 15 15 14 13 23 15 12 10 21 24 25 11 18 13 13 17 28 13 9 13 16 10 11 11 13 13	2 1 3 4 6 1 5 7 5 6 3 1 4 3 2 4 4 1 0 1 1 2 2 1 1 2 2 1 1 2 1 1 2 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 2 1 1 2 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 2 1 1 2 1 1 2 1 1 2 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 2 1 1 2 1 1 2 1 1 2 1 2 1 1 2 1 1 1 2 1 1 1 2 1 1 2 1 1 2 2 1 1 1 1 2 1 1 2 1 1 1 1 2 1 1 1 1 2 2 1 1 1 2 1 1 2 1 1 1 1 2 1 1 2 1 1 2 1 1 1 1 2 1 2 1 1 1 2 1 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1 1 1 2 1 2 1 1 2 1 1 2 1 2 1 1 2 1 2 1 1 2 1 2 1 1 2 2 1 2 1 1 2 2 1 1 1 1 2 2 1 1 2 1 1 2 1 2 2 1 1 2 2 1 2 1 1 2 2 1 2 2 1 1 2 2 1 1 2 2 2 1 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 1 1 2 2 2 2 1 1 2 2 2 2 1 1 2	26 23 27 6 0 94 0 0 15 14 0 0 6 13 5 3 12 37 78 28 15 27 9 46 27 27 21 64	26 51 53 45 25 20 108 28 22 32 30 24 25 35 27 25 20 29 55 106 42 28 42 27 57 40 41 35 76	11 10 9 12 13 12 9 10 11 11 10 7 11 9 8 7 4 8 8 7 7 7 7 7	*	VE7KW VE3TW KV0I K4RUM W5TM K0TRL CK3KG G3ORY VE3WVA VE7XF K4NMR VA3TNM WA5LFD K1GQ WA3AAN WA8KAN VA7DX N3RJ NT2DR N4BP VA3OGG K0VBU AA3B W0VQ VA3FH VE7WNK N7EPD N0TA VE3FC K6MMM	132,822 125,010 120,648 117,300 109,440 107,272 105,616 92,278 92,112 81,968 75,516 64,600 61,418 60,760 57,240 56,468 53,760 47,376 46,920 43,838 43,108 39,996 39,904 39,760 38,686 37,306 36,518 35,586 35,292 34,500	172 199 251 142 218 179 173 115 184 104 162 117 97 135 100 81 114 87 100 129 137 80 53 76 67 109 72 91 143 101	22 21 21 28 25 27 15 23 9 21 20 16 24 19 21 23 10 20 13 8 9 12 15 16 16 11 17 16 11	333 184 363 285 180 54 273 268 202 142 208 205 24 3 85 108 290 23 152 228 54 86 273 28 172 146 59 44 213 95	527 404 635 455 423 260 461 406 395 267 390 338 145 157 206 212 414 130 265 365 200 178 341 120 255 267 148 151 367 205	47 45 33 46 36 44 41 43 38 47 31 34 41 35 36 38 28 36 30 23 22 23 29 23 29 23 27 17 25	* * *
NC6V PY2KJ AA0AW VE7ARN VE2OXP K7ZYV SF6W K9GB N6TTV VA3CY UY5ZZ W9DKB K8IJ K5LY WN3F CY1NA N6GP N4IU OK1KTI VE3NRT VA3GUY NJ8J K6CSL NF6R EA5HEU N1DC N5CXX WB7S EW1TO UA9CHL	3,410 3,220 3,204 3,168 3,146 3,120 3,042 2,970 2,900 2,750 2,728 2,700 2,600 2,394 2,156 2,070 1,944 1,872 1,848 1,744 1,648 1,600 1,568 1,526 1,484 1,428 1,428 1,344 1,340 1,312	21 23 29 15 15 14 13 23 15 12 10 21 24 25 11 18 13 13 17 28 13 9 13 16 10 11 11 13 13	2 1 3 4 6 1 5 7 5 6 3 1 4 3 2 4 4 1 0 1 1 2 2 1 1 2 2 2 1 1 2 2 2 1 1 2 2 2 2 2 1 2	26 23 27 6 0 94 0 0 15 14 0 0 6 13 5 3 12 37 78 28 15 27 9 46 27 27 21 64 17	26 51 53 45 25 20 108 28 22 32 30 24 25 35 27 25 20 29 55 106 42 28 42 27 57 40 41 35 76 28	11 10 9 12 13 12 9 10 11 11 10 7 11 9 8 7 4 8 8 7 7 7 7 7 7 7 5 8	*	VE7KW VE3TW KV0I K4RUM W5TM KOTRL CK3KG G3ORY VE3WVA VE7XF K4NMR VA3TNM WA5LFD K1GQ WA3AAN WA8KAN VA7DX N3RJ NT2DR N4BP VA3OGG K0VBU AA3B W0VQ VA3FH VE7WNK N7EPD N0TA VE3FC K6MMM K1JB	132,822 125,010 120,648 117,300 109,440 107,272 105,616 92,278 92,112 81,968 75,516 64,600 61,418 60,760 57,240 56,468 53,760 47,376 46,920 43,838 43,108 39,996 39,904 39,760 38,686 37,306 36,518 35,586 35,292 34,500 30,752	172 199 251 142 218 179 173 115 184 104 162 117 97 135 100 81 114 87 100 129 137 80 53 76 67 109 72 91 143 101 63	22 21 21 28 25 27 15 23 9 21 20 16 24 19 21 23 10 20 13 8 9 12 15 16 16 11 17 16 11 19 11	333 184 363 285 180 54 273 268 202 142 208 205 24 3 85 108 290 23 152 228 54 86 273 28 172 146 59 44 213 95 41	527 404 635 455 423 260 461 406 395 267 390 338 145 157 206 212 414 130 265 365 200 178 341 120 255 267 148 151 367 205 118	47 45 33 46 36 44 41 43 38 47 31 34 41 35 36 38 28 36 30 23 23 29 23 29 23 27 17 25 31	* * *
NC6V PY2KJ AA0AW VE7ARN VE2OXP K7ZYV SF6W K9GB N6TTV VA3CY UY5ZZ W9DKB K8IJ K5LY WN3F CY1NA N6GP N4IU OK1KTI VE3NRT VA3GUY NJ8J K6CSL NF6R EA5HEU N1DC N5CXX WB7S EW1TO UA9CHL N5EE	3,410 3,220 3,204 3,168 3,146 3,120 3,042 2,970 2,900 2,750 2,728 2,700 2,600 2,394 2,156 2,070 1,944 1,872 1,848 1,744 1,648 1,600 1,568 1,526 1,428 1,428 1,428 1,344 1,340 1,312 1,296	21 23 29 15 15 14 13 23 15 12 10 21 24 25 11 18 13 13 17 28 13 9 13 16 10 11 11 13 13 15 15 17 18 18 18 18 18 18 18 18 18 18 18 18 18	2 1 3 4 6 1 5 7 5 6 3 1 4 3 2 4 4 1 0 1 1 2 2 2 1 1 2 2 2 2 2 1 2 2 2 2 2	26 23 27 6 0 94 0 0 15 14 0 0 6 13 5 3 12 37 78 28 15 27 9 46 27 27 21 64 17 23	26 51 53 45 25 20 108 28 22 30 24 25 35 27 25 20 29 55 106 42 28 42 27 57 40 41 35 76 28 38	11 10 9 12 13 12 9 10 11 11 10 7 11 9 8 7 7 7 7 7 7 7 7 7 5 8 6	*	VE7KW VE3TW KV0I K4RUM W5TM K0TRL CK3KG G3ORY VE3WVA VE7XF K4NMR VA3TNM WA5LFD K1GQ WA3AAN WA8KAN VA7DX N3RJ NT2DR N4BP VA3OGG K0VBU AA3B W0VQ VA3FH VE7WNK N7EPD N0TA VE3FC K6MMM K1JB W6TK	132,822 125,010 120,648 117,300 109,440 107,272 105,616 92,278 92,112 81,968 75,516 64,600 61,418 60,760 57,240 56,468 53,760 47,376 46,920 43,838 43,108 39,996 39,904 39,760 38,686 37,306 36,518 35,586 35,586 35,292 34,500 30,752 30,362	172 199 251 142 218 179 173 115 184 104 162 117 97 135 100 81 114 87 100 129 137 80 53 76 67 109 72 91 143 101 63 119	22 21 21 28 25 27 15 23 9 21 20 16 24 19 21 23 10 20 13 8 9 12 15 16 16 16 11 9	333 184 363 285 180 54 273 268 202 142 208 205 24 3 85 108 290 23 152 228 54 86 273 28 172 146 59 44 213 95 41 198	527 404 635 455 423 260 461 406 395 267 390 338 145 157 206 212 414 130 265 365 200 178 341 120 255 267 148 151 367 205 118 327	47 45 33 46 36 44 41 43 38 47 31 34 41 35 36 38 28 36 30 23 26 33 29 23 31 27 17 25 31 17	* * *
NC6V PY2KJ AA0AW VE7ARN VE2OXP K7ZYV SF6W K9GB N6TTV VA3CY UY5ZZ W9DKB K8IJ K5LY WN3F CY1NA N6GP N4IU OK1KTI VE3NRT VA3GUY NJ8J K6CSL NF6R EA5HEU N1DC N5CXX WB7S EW1TO UA9CHL N5EE GM2Y	3,410 3,220 3,204 3,168 3,146 3,120 3,042 2,970 2,900 2,750 2,728 2,700 2,600 2,394 2,156 2,070 1,944 1,872 1,848 1,744 1,648 1,600 1,568 1,526 1,428 1,428 1,428 1,344 1,340 1,312 1,296 1,290	21 23 29 15 15 14 13 23 15 12 10 21 24 25 11 18 13 13 17 28 13 19 13 16 10 11 11 13 13 16 10 11 11 11 11 11 11 11 11 11 11 11 11	2 1 3 4 6 1 5 7 5 6 3 1 4 3 2 4 4 4 1 0 1 1 2 2 1 1 2 2 1 2 1 2 1 2 1 2 1 2	26 23 27 6 0 94 0 0 15 14 0 0 6 13 5 3 12 37 78 28 15 27 9 46 27 27 21 64 17 23 99	26 51 53 45 25 20 108 28 22 30 24 25 35 27 25 20 29 55 106 42 28 42 27 57 40 41 35 76 28 38 105	11 10 9 12 13 12 9 10 11 11 10 7 11 9 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 5 8 8 6 6 5 7	*	VE7KW VE3TW KV0I K4RUM W5TM KOTRL CK3KG G3ORY VE3WVA VE7XF K4NMR VA3TNM WA5LFD K1GQ WA3AAN VA7DX N3RJ NT2DR N4BP VA3OGG K0VBU AA3B W0VQ VA3FH VE7WNK N7EPD N0TA VE3FC K6MMM K1JB W6TK W1GD	132,822 125,010 120,648 117,300 109,440 107,272 105,616 92,278 92,112 81,968 75,516 64,600 61,418 60,760 57,240 56,468 53,760 47,376 46,920 43,838 43,108 39,904 39,906 38,686 37,306 36,518 35,586 35,292 34,500 30,752 30,362 27,900	172 199 251 142 218 179 173 115 184 104 162 117 97 135 100 81 114 87 100 129 137 80 53 76 67 109 72 91 143 101 63 119	22 21 21 28 25 27 15 23 9 21 20 16 24 19 21 23 10 20 13 8 9 12 15 16 16 16 11 9 11 16 16 16 16 16 16 16 17 16 17 16 16 16 17 16 17 16 16 16 16 16 16 16 16 16 16 16 16 16	333 184 363 285 180 54 273 268 202 142 208 205 24 3 85 108 290 23 152 228 54 86 273 28 172 146 59 44 213 95 44 198 0	527 404 635 455 423 260 461 406 395 267 390 338 145 157 206 212 414 130 265 365 200 178 341 120 255 267 148 151 367 205 118 327 74	47 45 33 46 36 44 41 43 38 47 31 34 41 35 36 38 28 36 30 23 26 27 29 23 31 27 17 25 31 17 31	* * *
NC6V PY2KJ AA0AW VE7ARN VE2OXP K7ZYV SF6W K9GB N6TTV VA3CY UY5ZZ W9DKB K8IJ K5LY WN3F CY1NA N6GP N4IU OK1KTI VE3NRT VA3GUY NJ8J K6CSL NF6R EA5HEU N1DC N5CXX WB7S EW1TO UA9CHL N5EE GM2Y VE2QV	3,410 3,220 3,204 3,168 3,146 3,120 3,042 2,970 2,900 2,750 2,728 2,700 2,600 2,394 2,156 2,070 1,944 1,872 1,848 1,744 1,648 1,600 1,568 1,526 1,428 1,428 1,428 1,344 1,340 1,312 1,296 1,290 1,260	21 23 29 15 15 14 13 23 15 12 10 21 24 25 11 18 13 13 17 28 13 19 13 16 10 11 13 13 16 10 11 11 13 15 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	2 1 3 4 6 1 5 7 5 6 3 1 4 4 4 1 0 1 4 2 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	26 23 27 6 0 94 0 0 15 14 0 0 6 13 5 3 12 37 78 28 15 27 9 46 27 27 21 64 17 23 99 15	26 51 53 45 25 20 108 28 22 32 30 24 25 35 27 25 20 29 55 106 42 28 42 27 57 40 41 35 76 28 38 105 32	11 10 9 12 13 12 9 10 11 11 10 7 11 9 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	*	VE7KW VE3TW KV0I K4RUM W5TM KOTRL CK3KG G3ORY VE3WVA VE7XF K4NMR VA3TNM WA5LFD K1GQ WA3AAN WA5LFD K1GQ WA3AAN VA7DX N3RJ NT2DR N4BP VA3OGG K0VBU AA3B W0VQ VA3FH VE7WNK N7EPD N0TA VE3FC K6MMM K1JB W6TK W1GD W7BRS	132,822 125,010 120,648 117,300 109,440 107,272 105,616 92,278 92,112 81,968 75,516 64,600 61,418 60,760 57,240 56,468 53,760 47,376 46,920 43,838 43,108 39,996 39,904 39,906 39,906 39,760 38,686 37,306 36,518 35,586 35,292 34,500 30,752 30,362 27,900 27,612	172 199 251 142 218 179 173 115 184 104 162 117 97 135 100 81 114 87 100 129 137 80 53 76 67 109 72 91 143 101 63 119 58 69	22 21 21 28 25 27 15 23 9 21 20 16 24 19 21 23 10 20 13 8 9 12 15 16 16 11 9 11 16 11 19 11 11 11 11 11 11 11 11 11 11 11	333 184 363 285 180 54 273 268 202 142 208 205 24 3 85 108 290 23 152 228 54 86 273 28 172 146 59 44 213 95 41 198 0 66	527 404 635 455 423 260 461 406 395 267 390 338 145 157 206 212 414 130 265 365 200 178 341 120 255 267 148 151 367 205 118 327 74 147	47 45 33 46 36 44 41 43 38 47 31 34 41 35 36 38 28 36 30 23 26 33 29 23 27 17 25 31 17 31 26	* * *
NC6V PY2KJ AA0AW VE7ARN VE2OXP K7ZYV SF6W K9GB N6TTV VA3CY UY5ZZ W9DKB K8IJ K5LY WN3F CY1NA N6GP N4IU OK1KTI VE3NRT VA3GUY NJ8J K6CSL NF6R EA5HEU N1DC N5CXX WB7S EW1TO UA9CHL N5EE GM2Y VE2QV VE3TZF	3,410 3,220 3,204 3,168 3,146 3,120 3,042 2,970 2,900 2,750 2,728 2,700 2,600 2,394 2,156 2,070 1,944 1,872 1,848 1,744 1,648 1,600 1,568 1,526 1,428 1,428 1,428 1,344 1,340 1,312 1,296 1,290 1,260 1,212	21 23 29 15 15 14 13 23 15 12 10 21 24 25 11 18 13 13 17 28 13 19 13 16 10 11 11 13 13 16 10 11 11 11 11 11 11 11 11 11 11 11 11	2 1 3 4 6 1 5 7 5 6 3 1 4 3 2 4 4 4 1 0 1 1 2 2 1 1 2 2 1 2 1 2 1 2 1 2 1 2	26 23 27 6 0 94 0 0 15 14 0 0 6 13 5 3 12 37 78 28 15 27 9 46 27 27 21 64 17 23 99	26 51 53 45 25 20 108 28 22 30 24 25 35 27 25 20 29 55 106 42 28 42 27 57 40 41 35 76 28 38 105	11 10 9 12 13 12 9 10 11 11 10 7 11 9 8 7 4 8 8 7 7 7 7 7 7 7 7 5 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 7 7 7 7	*	VE7KW VE3TW KV0I K4RUM W5TM K0TRL CK3KG G3ORY VE3WVA VE7XF K4NMR VA3TNM WA5LFD K1GQ WA3AAN WA8KAN VA7DX N3RJ NT2DR N4BP VA3OGG K0VBU AA3B W0VQ VA3FH VE7WNK N7EPD N0TA VE3FC K6MMM K1JB W6TK W1GD W7BRS KE6GFI	132,822 125,010 120,648 117,300 109,440 107,272 105,616 92,278 92,112 81,968 75,516 64,600 61,418 60,760 57,240 56,468 53,760 47,376 46,920 43,838 43,108 39,996 39,996 39,996 39,996 39,996 39,750 38,686 37,306 36,518 35,586 35,292 34,500 30,752	172 199 251 142 218 179 173 115 184 104 162 117 97 135 100 81 114 87 100 129 137 80 53 76 67 109 72 91 143 101 63 119 58 69 118	22 21 21 28 25 27 15 23 9 21 20 16 24 19 21 23 10 20 13 8 9 12 15 16 16 11 9 11 11 11 11 11 11 11 11 11 11 11 1	333 184 363 285 180 54 273 268 202 142 208 205 24 3 85 108 290 23 152 228 54 86 273 28 172 146 59 44 213 95 44 198 0 6 66 62	527 404 635 455 423 260 461 406 395 267 390 338 145 157 206 212 414 130 265 365 200 178 341 120 255 267 148 151 367 205 118 327 74 147 190	47 45 33 46 36 44 41 43 38 47 31 34 41 35 36 38 28 36 30 23 26 33 29 23 27 17 25 31 17 31 26 18	* * *
NC6V PY2KJ AA0AW VE7ARN VE2OXP K7ZYV SF6W K9GB N6TTV VA3CY UY5ZZ W9DKB K8IJ K5LY WN3F CY1NA N6GP N4IU OK1KTI VE3NRT VA3GUY NJ8J K6CSL NF6R EA5HEU N1DC N5CXX WB7S EW1TO UA9CHL N5EE GM2Y VE2QV VE3TZF NQ4K	3,410 3,220 3,204 3,168 3,146 3,120 3,042 2,970 2,900 2,750 2,728 2,700 2,600 2,394 2,156 2,070 1,944 1,872 1,848 1,744 1,648 1,600 1,568 1,526 1,428 1,428 1,428 1,344 1,340 1,312 1,296 1,290 1,260 1,212 1,120	21 23 29 15 15 14 13 23 15 12 10 21 24 25 11 18 13 13 17 28 13 16 10 11 13 13 16 10 9 11 13 13 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	2 1 3 4 6 1 5 7 5 6 3 1 4 3 2 4 4 1 0 1 1 2 2 1 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 2 1 2 2 2 1 3 2 2 2 2	26 23 27 6 0 94 0 0 15 14 0 0 6 13 5 3 7 7 8 28 15 27 9 46 27 27 21 64 17 23 99 15 6	26 51 53 45 25 20 108 28 22 32 30 24 25 35 27 25 20 29 55 106 42 28 42 27 57 40 41 35 76 28 38 105 32 32 31 31 32 32 32 35 35 35 36 37 37 37 37 37 37 37 37 37 37 37 37 37	11 10 9 12 13 12 9 10 11 11 10 7 11 9 8 7 4 8 8 7 7 7 7 7 7 7 7 7 7 7 7 8 6 6 6 6 7	*	VE7KW VE3TW KV0I K4RUM W5TM K0TRL CK3KG G3ORY VE3WVA VE7XF K4NMR VA3TNM WA5LFD K1GQ WA3AAN WA8KAN VA7DX N3RJ NT2DR N4BP VA3OGG K0VBU AA3B W0VQ VA3FH VE7WNK N7EPD N0TA VE3FC K6MMM K1JB W6TK W1GD W7BRS KE6GFI N2BJ	132,822 125,010 120,648 117,300 109,440 107,272 105,616 92,278 92,112 81,968 75,516 64,600 61,418 60,760 57,240 56,468 53,760 47,376 46,920 43,838 43,108 39,996 39,904 39,760 38,686 37,306 36,518 35,586 35,292 34,500 30,752 30,362 27,900 27,612 27,072 25,272	172 199 251 142 218 179 173 115 184 104 162 117 97 135 100 81 114 87 100 129 137 80 53 76 67 109 72 91 143 101 63 119 58 69 118 63	22 21 21 28 25 27 15 23 9 21 20 16 24 19 21 23 10 20 13 8 9 12 15 16 16 11 17 16 11 19 11 11 11 11 11 11 11 11 11 11 11	333 184 363 285 180 54 273 268 202 142 208 205 24 3 85 108 290 23 152 228 54 86 273 28 172 146 59 44 213 95 44 213 95 41 198 40 40 40 40 40 40 40 40 40 40	527 404 635 455 423 260 461 406 395 267 390 338 145 157 206 212 414 130 265 365 200 178 341 120 255 267 148 151 367 205 118 327 74 147 190 108	47 45 33 46 36 44 41 43 38 47 31 34 41 35 36 38 28 36 30 23 29 35 29 23 31 27 17 25 31 17 25 31 17 26 18 18 26 18 27 18 27 17 28 29 29 20 20 21 21 21 21 21 21 21 21 21 21 21 21 21	* * *
NC6V PY2KJ AA0AW VE7ARN VE2OXP K7ZYV SF6W K9GB N6TTV VA3CY UY5ZZ W9DKB K8IJ K5LY WN3F CY1NA N6GP N4IU OK1KTI VE3NRT VA3GUY NJ8J K6CSL NF6R EA5HEU N1DC N5CXX WB7S EW1TO UA9CHL N5EE GM2Y VE2QV VE3TZF	3,410 3,220 3,204 3,168 3,146 3,120 3,042 2,970 2,900 2,750 2,728 2,700 2,600 2,394 2,156 2,070 1,944 1,872 1,848 1,744 1,648 1,600 1,568 1,526 1,428 1,428 1,428 1,344 1,340 1,312 1,296 1,290 1,260 1,212	21 23 29 15 15 14 13 23 15 12 10 21 24 25 11 18 13 13 17 28 13 16 10 11 13 13 16 10 11 13 13 15 16 10 11 11 11 11 11 11 11 11 11 11 11 11	2 1 3 4 6 1 5 7 5 6 3 1 4 3 2 4 4 1 0 1 1 2 2 1 2 1 2 2 0 1 1 2 2 0 1 1 2 2 0 1 1 2 2 0 1 1 2 2 0 1 1 2 2 0 1 1 2 2 0 1 1 2 2 0 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	26 23 27 6 0 94 0 0 15 14 0 0 6 13 5 3 7 7 8 28 15 27 9 46 27 27 21 64 17 23 99 15 6	26 51 53 45 25 20 108 28 22 32 30 24 25 35 27 25 20 29 55 106 42 28 42 27 57 40 41 35 76 28 38 105 32 22	11 10 9 12 13 12 9 10 11 11 10 7 11 9 8 7 4 8 8 7 7 7 7 7 7 7 7 5 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 7 7 7 7	*	VE7KW VE3TW KV0I K4RUM W5TM K0TRL CK3KG G3ORY VE3WVA VE7XF K4NMR VA3TNM WA5LFD K1GQ WA3AAN WA8KAN VA7DX N3RJ NT2DR N4BP VA3OGG K0VBU AA3B W0VQ VA3FH VE7WNK N7EPD N0TA VE3FC K6MMM K1JB W6TK W1GD W7BRS KE6GFI	132,822 125,010 120,648 117,300 109,440 107,272 105,616 92,278 92,112 81,968 75,516 64,600 61,418 60,760 57,240 56,468 53,760 47,376 46,920 43,838 43,108 39,996 39,996 39,996 39,996 39,996 39,750 38,686 37,306 36,518 35,586 35,292 34,500 30,752	172 199 251 142 218 179 173 115 184 104 162 117 97 135 100 81 114 87 100 129 137 80 53 76 67 109 72 91 143 101 63 119 58 69 118	22 21 21 28 25 27 15 23 9 21 20 16 24 19 21 23 10 20 13 8 9 12 15 16 16 11 9 11 11 11 11 11 11 11 11 11 11 11 1	333 184 363 285 180 54 273 268 202 142 208 205 24 3 85 108 290 23 152 228 54 86 273 28 172 146 59 44 213 95 44 198 0 6 66 62	527 404 635 455 423 260 461 406 395 267 390 338 145 157 206 212 414 130 265 365 200 178 341 120 255 267 148 151 367 205 118 327 74 147 190	47 45 33 46 36 44 41 43 38 47 31 34 41 35 36 38 28 36 30 23 26 33 29 23 27 17 25 31 17 31 26 18	* * *
NC6V PY2KJ AA0AW VE7ARN VE2OXP K7ZYV SF6W K9GB N6TTV VA3CY UY5ZZ W9DKB K8IJ K5LY WN3F CY1NA N6GP N4IU OK1KTI VE3NRT VA3GUY NJ8J K6CSL NF6R EA5HEU N1DC N5CXX WB7S EW1TO UA9CHL N5EE GM2Y VE2QV VE3TZF NQ4K DF6RI	3,410 3,220 3,204 3,168 3,146 3,120 3,042 2,970 2,900 2,750 2,728 2,700 2,600 2,394 2,156 2,070 1,944 1,872 1,848 1,744 1,648 1,600 1,568 1,526 1,484 1,428 1,428 1,428 1,344 1,340 1,312 1,296 1,290 1,260 1,212 1,120 900	21 23 29 15 15 14 13 23 15 12 10 21 24 25 11 18 13 13 17 28 13 16 10 11 13 13 16 10 9 13 6 16 16 18 18 18 18 18 18 18 18 18 18 18 18 18	2 1 3 4 6 1 5 7 5 6 3 1 4 3 2 4 4 1 0 1 1 2 2 2 1 1 2 2 2 0 1 1 2 2 0 1 1 2 2 0 1 1 2 2 0 1 1 2 2 0 1 1 2 2 0 1 1 2 2 2 2	26 23 27 6 0 94 0 0 15 14 0 0 6 13 5 3 12 37 78 28 15 27 9 46 27 27 21 64 17 23 99 15 16 17 17 18 18 18 18 18 18 18 18 18 18	26 51 53 45 25 20 108 28 22 32 30 24 25 35 27 25 20 29 55 106 42 28 42 27 57 40 41 35 76 28 38 105 32 22 13 25	11 10 9 12 13 12 9 10 11 11 10 7 11 9 8 7 7 7 7 7 7 7 7 7 7 7 7 7 6 6 6 7 6	*	VE7KW VE3TW KV0I K4RUM W5TM KOTRL CK3KG G3ORY VE3WVA VE7XF K4NMR VA3TNM WA5LFD K1GQ WA3AAN WA8KAN VA7DX N3RJ NT2DR N4BP VA3OGG K0VBU AA3B W0VQ VA3FH VE7WNK N7EPD N0TA VE3FC K6MMM K1JB W6TK W1GD W7BRS KE6GFI N2BJ W6SX	132,822 125,010 120,648 117,300 109,440 107,272 105,616 92,278 92,112 81,968 75,516 64,600 61,418 60,760 57,240 56,468 53,760 47,376 46,920 43,838 43,108 39,996 39,904 39,760 38,686 37,306 36,518 35,586 35,586 35,586 35,292 34,500 30,752 30,362 27,900 27,612 27,072 25,272 24,440	172 199 251 142 218 179 173 115 184 104 162 117 97 135 100 81 114 87 100 129 137 80 53 76 67 109 72 91 143 101 63 119 58 69 118 63 77	22 21 21 28 25 27 15 23 9 21 20 16 24 19 21 23 10 20 13 8 9 12 15 16 16 11 9 14 10 16 11 17 16 16 17 16 17 16 17 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	333 184 363 285 180 54 273 268 202 142 208 205 24 3 85 108 290 23 152 28 54 86 273 28 172 146 59 44 213 95 44 213 95 44 213 95 44 213 95 46 47 47 47 47 47 47 47 47 47 47	527 404 635 455 423 260 461 406 395 267 390 338 145 157 206 212 414 130 265 365 200 178 341 120 255 267 148 151 367 205 118 327 74 147 190 108 213	47 45 33 46 36 44 41 43 38 47 31 34 41 35 36 38 28 36 30 23 22 35 29 35 29 31 27 17 25 31 17 25 31 17 26 18 27 20 20 21 21 21 21 21 21 21 21 21 21 21 21 21	* * *
NC6V PY2KJ AA0AW VE7ARN VE2OXP K7ZYV SF6W K9GB N6TTV VA3CY UY5ZZ W9DKB K8IJ K5LY WN3F CY1NA N6GP N4IU OK1KTI VE3NRT VA3GUY NJ8J K6CSL NF6R EA5HEU N1DC N5CXX WB7S EW1TO UA9CHL N5EE GM2Y VE2QV VE3TZF NQ4K DF6RI K3SV PY4ARS KF3G	3,410 3,220 3,204 3,168 3,146 3,120 3,042 2,970 2,900 2,750 2,728 2,700 2,600 2,394 2,156 2,070 1,944 1,872 1,848 1,744 1,648 1,600 1,568 1,526 1,484 1,428 1,344 1,340 1,312 1,296 1,290 1,260 1,212 1,120 900 840	21 23 29 15 15 14 13 23 15 12 10 21 24 25 11 18 13 13 17 28 13 16 10 11 13 13 16 10 9 13 6 16 16 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	2 1 3 4 6 1 5 7 5 6 3 1 4 3 2 4 4 1 0 1 1 2 2 2 2 0 1 1 2 2 2 0 1 1 2 2 2 2	26 23 27 6 0 94 0 0 15 14 0 0 6 13 5 3 12 37 78 28 15 27 9 46 27 27 21 64 17 23 99 15 6 0 0 15 16 17 17 18 18 18 18 18 18 18 18 18 18	26 51 53 45 25 20 108 28 22 32 30 24 25 35 27 25 20 29 55 106 42 28 42 27 57 40 41 35 76 28 38 105 32 22 13 25 13	11 10 9 12 13 12 9 10 11 11 10 7 11 9 8 7 7 7 7 7 7 7 7 7 7 6 6 7 6 7 6	*	VE7KW VE3TW KV0I K4RUM W5TM KOTRL CK3KG G3ORY VE3WVA VE7XF K4NMR VA3TNM WA5LFD K1GQ WA3AAN VA7DX N3RJ NT2DR N4BP VA3OGG K0VBU AA3B W0VQ VA3FH VE7WNK N7EPD N0TA VE3FC K6MMM K1JB W6TK W1GD W7BRS KE6GFI N2BJ W6SX KC2GOW KC7V KR2Q	132,822 125,010 120,648 117,300 109,440 107,272 105,616 92,278 92,112 81,968 75,516 64,600 61,418 60,760 57,240 56,468 53,760 47,376 46,920 43,838 43,108 39,996 39,904 39,760 38,686 37,306 36,518 35,586 35,292 34,500 30,752 30,362 27,900 27,612 27,072 25,272 24,440 23,016 22,464 20,034	172 199 251 142 218 179 173 115 184 104 162 117 97 135 100 81 114 87 100 129 137 80 53 76 67 109 72 91 143 101 63 119 58 69 118 63 77 57	22 21 21 28 25 27 15 23 9 21 20 16 24 19 21 23 10 20 13 8 9 12 15 16 16 11 9 14 10 16 11 10 16 11 10 16 16 17 16 17 16 17 16 17 17 17 18 17 18 18 18 18 18 18 18 18 18 18 18 18 18	333 184 363 285 180 54 273 268 202 142 208 205 24 3 85 108 290 23 152 228 54 86 273 28 172 146 59 44 213 95 41 198 0 66 62 33 126 26 144 87	527 404 635 455 423 260 461 406 395 267 390 338 145 157 206 212 414 130 265 365 200 178 341 120 255 267 148 151 367 205 118 327 74 147 190 108 213 93 235 158	47 45 33 46 36 44 41 43 38 47 31 34 41 35 36 38 28 36 30 23 26 33 29 23 31 27 17 25 31 17 25 31 17 26 18 27 20 20 20 20 20 20 20 20 20 20 20 20 20	* * *
NC6V PY2KJ AA0AW VE7ARN VE2OXP K7ZYV SF6W K9GB N6TTV VA3CY UY5ZZ W9DKB K8IJ K5LY WN3F CY1NA N6GP N4IU OK1KTI VE3NRT VA3GUY NJ8J K6CSL NF6R EA5HEU N1DC N5CXX WB7S EW1TO UA9CHL N5EE GM2Y VE2QV VE3TZF NQ4K DF6RI K3SV PY4ARS	3,410 3,220 3,204 3,168 3,146 3,120 3,042 2,970 2,900 2,750 2,728 2,700 2,600 2,394 2,156 2,070 1,944 1,872 1,848 1,744 1,648 1,600 1,568 1,526 1,484 1,428 1,428 1,344 1,340 1,312 1,296 1,290 1,260 1,212 1,120 900 840 826	21 23 29 15 15 14 13 23 15 12 10 21 24 25 11 18 13 13 17 28 13 19 13 16 10 9 13 16 10 9 9 13 16 16 16 16 16 16 16 16 16 16 16 16 16	2 1 3 4 6 1 5 7 5 6 3 1 4 3 2 4 4 1 0 1 1 2 2 2 2 0 1 1 2 2 0 1 1 2 2 0 1 1 2 2 0 1 1 2 2 2 0 1 1 2 2 2 0 1 1 2 2 2 2	26 23 27 6 0 94 0 0 15 14 0 0 6 13 5 3 12 37 78 28 15 27 9 46 27 27 21 64 17 23 99 15 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	26 51 53 45 25 20 108 28 22 32 30 24 25 35 27 25 20 29 55 106 42 28 42 27 57 40 41 35 76 28 38 105 32 22 13 25 13 17	11 10 9 12 13 12 9 10 11 11 10 7 11 9 8 7 7 7 7 7 7 7 7 7 7 7 7 8 6 6 6 7 6 6 7 7 7 7	*	VE7KW VE3TW KV0I K4RUM W5TM KOTRL CK3KG G3ORY VE3WVA VE7XF K4NMR VA3TNM WA5LFD K1GQ WA3AAN WA8KAN VA7DX N3RJ NT2DR N4BP VA3OGG K0VBU AA3B W0VQ VA3FH VE7WNK N7EPD N0TA VE3FC K6MMM K1JB W6TK W1GD W7BRS KE6GFI N2BJ W6SX KC2GOW KC7V	132,822 125,010 120,648 117,300 109,440 107,272 105,616 92,278 92,112 81,968 75,516 64,600 61,418 60,760 57,240 56,468 53,760 47,376 46,920 43,838 43,108 39,996 39,904 39,760 38,686 37,306 36,518 35,586 35,586 35,592 34,500 30,752 30,362 27,900 27,612 27,072 25,272 24,440 23,016 22,464	172 199 251 142 218 179 173 115 184 104 162 117 97 135 100 81 114 87 100 129 137 80 53 76 67 109 72 91 143 101 63 119 58 69 118 63 77 57 86	22 21 21 28 25 27 15 23 9 21 20 16 24 19 21 23 10 20 13 8 9 12 15 16 16 11 9 14 10 16 11 10 16 11 10 16 16 16 17 16 16 16 17 17 16 16 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 17 17 17 17 17 17 17 17 17 17 17 17	333 184 363 285 180 54 273 268 202 142 208 205 24 3 85 108 290 23 152 228 54 86 273 28 172 146 59 44 213 95 41 198 0 66 62 33 126 26 144	527 404 635 455 423 260 461 406 395 267 390 338 145 157 206 212 414 130 265 365 200 178 341 120 255 267 148 151 367 205 118 327 74 147 190 108 213 93 235	47 45 33 46 36 44 41 43 38 47 31 34 41 35 36 38 28 36 30 23 29 23 35 29 23 31 17 27 17 25 31 17 26 18 27 20 20 21 21 21 21 21 21 21 21 21 21 21 21 21	* * *

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N4ZR VE3MZD	17,640 17,376	64 78	10 9	0 63	74 150	21 16		Call	Score	CDN	RAC	DX	QSOs	Mult	Award
K8LF	16,400	76 56	13	0	69	20		VE3MGY	350,244	258	46	412	716	81	**
VO1HP	14,912	63	8	71	142	16	*	VA3YV	202,920	225	29	365	619	57	
JN4MMO	14,688	48	7	122	177	17	*	VE3VY	162,450	174	30	255	459	57	
VA7XU	14,400	57	7	125	189	15		KE3K	132,400	175	28	169	372	50	*
K5UV	12,840	73	3	140	216	12		VE5UO	131,752	195	21	347	563	43	*
VA1CC N4AF	12,080	38 49	9 7	22 27	69 83	20 17	*	VE3HZ VE7CV	123,480 95,300	181 129	25 26	105 48	311 203	49 50	*
K2ANZ	11,628 11,210	49	7	10	60	17		VA3IDD	84,524	168	19	213	400	34	
F4DSK	11,152	40	5	78	123	17	*	VE3FZ	73,710	125	21	110	256	39	
W3TB	11,116	54	5	77	136	14		VE3MV	68,968	117	23	117	257	37	
UW1M	11,008	39	5	99	143	16	*	AD1C	68,480	127	22	1	150	40	*
PV2K	10,920	27	9	35	71	21	*	W9QL	61,740	116	21	92	229	35	*
WB2WPM VY0RAC	10,914	48 25	8 8	1 99	57 132	17 17	*	VA3WB	58,956	111	13	182	306	34	
N3DUE	10,336 10,260	34	10	99	44	17		VE3AQ VE3RGO	57,960 52,056	106 136	14 16	158 124	278 276	35 27	
N2RC	10,120	32	7	0	39	22		K9OM	46,530	100	17	35	152	33	
VA3AJB	9,120	39	2	89	130	15		W4VIC	38,106	93	15	42	150	29	*
W0VX	8,992	43	6	6	55	16		VE3FP	34,730	78	12	245	335	23	
W7ZR	8,800	59	6	85	150	10	*	W2RDS	33,920	61	18	45	124	32	*
PA3AAV VE7TK	8,288	38 32	4 10	66 10	108	14 15	*	K8BL	32,422	72	11	89	172	29	
WB4HRL	8,100 7,504	32 42	5	8	52 55	14		W2TB	31,320	61	16	57	134	30	
VE3EY	7,020	28	6	70	104	13		K2ZR VE1FSM	30,774 29,568	92 101	9 14	119 59	220 174	23 21	*
VE2PI	6,952	35	4	101	140	11	*	PY5AMF	29,366 27,840	51	14	40	174	32	*
KT4XN	6,890	37	8	0	45	13		VA4JP	27,050	56	18	81	155	25	*
W5GCX	6,840	26	5	0	31	19		K8ZT	26,880	51	16	33	100	30	
W9ILY	6,786	60	3	47	110	9	*	VA3RSA	26,712	53	18	32	103	28	
DL5JQ KE2X	6,608 6,500	21 32	5 9	81 0	107 41	14 13	^	KM5G	25,704	81	12	87	180	21	*
N6GEO	6,440	31	6	15	52	14		AIOY	25,408	105	9	179	293	16	
W3GQ	6,300	33	6	0	39	14		K2AL	24,886	72	12	61	145	23	
VE7IO	5,736	21	6	74	101	12		AJ4HP VE3PJ	23,604 23,250	81 41	15 11	7 60	103 112	21 31	
YO9HP	5,736	26	3	79	108	12	*	WB9HFK	22,850	53	13	62	128	25	
W5MX	5,706	38	7	57	102	9		VE3CWU	21,850	44	11	107	162	25	
JI1AVY K8BZ	5,694 5,456	26 27	5 4	39 73	70 104	13 11		N5EP	21,420	80	11	0	91	21	
FP/KV1J	5,408	34	3	138	175	8	*	K4BBH	18,960	51	14	0	65	24	
W4EAB	5,330	27	7	0	34	13		N4DW	18,018	52	9	79	140	21	
NO8C	4,656	37	3	76	116	8		VE3JZT	18,000	39	11	70	120	24	*
AD4EB	4,300	28	3	45	76	10		WQ6X VE3IDT	17,766 17,640	35 51	9 16	64 5	108 72	27 21	,
K3IE	4,290	19	7 6	0	26	13	*	N9TF	17,040	48	10	5	63	25	
IK1PMR WA5LXS	4,240 4,128	23 18	6	37 22	66 46	10 12		VE3KI	15,680	0	28	0	28	28	
VE2OV	3,400	22	6	0	28	10		K8BB	14,688	68	7	22	97	17	
SN5N	3,312	18	2	97	117	8	*	AE1T	14,554	49	8	58	115	19	*
N3RD	3,276	34	3	34	71	7		KOMPH	14,168	42	8	32	82	22	
N2SO	3,140	17	5	22	44	10		KB8TL	13,360	42	10	24	76 120	20	
WW5L JO7KMB	2,790 2,560	21 10	5 5	0 28	26 43	9 10		N2CU VA3NGE	12,800 12,672	59 28	4 12	65 28	128 68	16 22	
WC7Q	2,360	23	3 1	20 50	43 74	7		KI6OY	12,450	62	8	25	95	15	
AI1G	2,412	17	4	9	30	9		VO2RAC	11,540	82	5	117	204	10	*
VA2QR	2,360	14	4	8	26	10		VA3IJK	11,200	55	3	45	103	16	
HB9KOG	2,142	12	2	39	53	9	*	VE2HEW	11,152	38	10	38	86	17	*
K3TN	1,728	12	3	6	21	9		VA2OT	10,872	38	8	32	78	18	
W3MAM I2IFT	1,540 1,526	9 13	3 2	2 24	14 39	10 7		WO9B VA3OOL	10,070 9,952	30 35	9 11	25 26	64 72	19 16	
W5UJ	1,500	17	4	0	21	6		KOWRY	9,952	46	8	1	55	16	
PY1VOY	1,376	13	1	11	25	8		K9EI	9,120	35	5	15	55	19	
PA5KT	1,344	13	1	21	35	7		K8GT	8,820	41	6	29	76	15	
WH6R	1,204	8	1	36	45	7		VY2DFG	8,656	77	10	56	143	8	*
VE3AB KC1SA	1,140	19 16	0 3	0 4	19 23	6 5		VA3PMH	7,350	33	7	10	50	15	
WB4EHG	1,140 1,022	11	3 1	8	20	5 7		VE3YCL	7,290	23	11	18	52 84	15	*
NY7N	938	5	4	2	11	7		VE9MO VA2CZ	7,128 6,880	51 31	4 2	29 40	84 73	11 16	
N4LSJ	840	5	4	5	14	6		VA2CZ VE6LB	6,744	33	5	66	104	12	*
VE6GTX	756	8	0	14	22	7		VA3PB	6,396	36	5	16	57	13	
RT2F	696	8	0	18	26	6		VE3AKV	6,228	21	6	8	35	18	
JA2HYD KA7RRA	630 600	8 8	1 1	13 10	22 19	5 5		VA3AUW	6,016	20	8	8	36	16	
VA3WPS	352	8	0	4	12	4		VE2YYQ	5,634	32	0	153	185	9	
K3FH	352	3	1	19	23	4		KM4IAJ	5,460 5,040	21	9	0 15	30	14	
LY5W	318	5	0	28	33	3		K7KFB W8EO	5,040 4,914	23 19	5 7	15 24	43 50	14 13	
CT7AIX	264	7	0	9	16	3		N2UU	4,600	32	3	40	75	10	
OH5BE	248	6	0	1	7	4		AJ4RJ	4,378	26	6	9	41	11	
PA3DRL VE2GT	210 120	6 4	0	5 0	11 4	3 3		NJ4Q	4,368	21	4	11	36	14	
NN6U	84	2	1	1	4	2		AA0FO	4,340	23	4	0	27	14	
JG6OZC	72	1	1	3	5	2		KZ2V	4,320	23	4	25	52 124	12	*
IW7ED	18	0	0	9	9	1		HA5AQ NE5A	4,104 3,860	17 29	4 3	103 18	124 50	9 10	*
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OG6B	88	2	2	2	5	2	20M	HP	
AC2ZZ	80	1	2	5	7	2	20M	LP	
VE3RKS	76	1	2	4	6	2	20M	LP	
DL9HB	76	1	2	4	6	2	20M	LP	
AE5AS	68	1	2	2	4	2	20M	LP	
SE0B	62	2	1	21	23	1	20M	LP	
VE3HLS	60	2	2	5	7	2	20M	LP	
JE1RXJ	60	3	2	0	3	2	20M	HP	
JF1TEU	60	2	2	5	7	2	20M	LP	
N8GMZ	60	0	1	0	3	1	20M	HP	
VE5DKR	56	2	2	4	6	2	20M	LP	
RA3XCZ	56	2	2	4	6	2	20M	LP	
OK1FCA	54	2	1	17	19	1	20M	LP	
BA3AX	48	2	2	2	4	2	20M	LP	
KG7WFQ	30	0	1	5	6	1	20M	LP	
DJ6DO	20	0	1	0	1	1	20M	LP	
HB9GKM	20	1	1	5	6	1	20M	LP	
K9WPV	20	0	1	0	1	1	20M	LP	
VE7AB	18	1	1	4	5	1	20M	LP	
JR6CSY	12	1	1	1	2	1	20M	HP	
ZA1AK	10	1	1	0	1	1	20M	LP	
DC2HB	4	0	1	2	2	1	20M	LP	
VA6BED	2	0	1	1	1	1	20M	LP	
DK1TBL	2	0	1	1	1	1	20M	LP	
N8PEP	2	0	1	1	1	1	20M	LP	
VA3OK	25,460	174	10	353	532	10	40M	HP	*
VE3BZ	8,816	90	8	61	155	8	40M	LP	
PY5QW	8,712	84	9	44	130	9	40M	HP	*
VE2KLW	5,232	51	8	22	78	8	40M	LP	*
HA9RC	372	8	3	12	21	3	40M	LP	
VA7QER	128	6	2	2	8	2	40M	LP	
WT8E	70	7	1	0	7	1	40M	LP	
JO4MJU	12	1	1	1	2	1	40M	LP	
W7DRA	108	3	2	2	6	2	160M	HP	

Rookie Participants 2023 (SOABLP, SOABHP & SOABQRP only)

Call	Name	Score	Category	Location
VE3FCT*	Daniel Alvarez	183,600	SOLP	Ontario
W7VC	Jordan Shin	36,960	SOLP	US Call Area 7
VA2OJD	J.D. Comtois	6,240	SOLP	Quebec
* denotes the	e category winner			

Multi Operator Single Transmitter High Power (MOSTHP)

Call	Score	CDN	RAC	DX	QSOs	Mult	Award
VE1RAC	404,224	443	25	693	1161	64	**
N7NR	339,192	360	36	532	928	63	*
W1FM	151,008	200	30	152	382	52	*
W3ACO	148,800	308	18	680	1006	31	*
VB3P	81,864	148	12	277	437	36	*
CJ3YLR	17,366	63	9	52	124	19	

Multi Operator Single Transmitter Low Power (MOSTLP)

Call	Score	CDN	RAC	DX	QSOs	Mult	Award
VE9RAC	272,580	267	31	302	600	70	**
VA7DZ	99,136	179	19	464	662	32	*
VE7UT	34,182	81	12	108	201	27	
VE2ARC	12,608	39	7	129	175	16	*
VA1JON	7,968	34	6	19	59	16	*
VE7SCA	7,680	40	4	16	60	15	
VE6AO	4,056	20	3	26	49	13	
VE7BIA	3,552	15	6	13	34	12	

Multi Operator Multiple Transmitter (MOMT)

Call	Score	CDN	RAC	DX	QSOs	Mult	Award
VE6RAC	786,510	633	34	1350	2017	81	**
N6RO	687,800	640	42	905	1587	76	*
VE5RAC	454,800	517	24	965	1506	60	*
VE7RAC	436,540	413	32	973	1418	65	*
VA2RAC	325,472	385	24	741	1150	56	*
VX7NA	154,840	244	18	180	442	49	
VY2RAC	86,080	163	14	390	567	32	

SOAPBOX COMMENTS

AA0FO: Thanks for keeping CW alive in this contest and happy Canada Day!

AB5XM: Thanks for sponsoring this contest. Really enjoyed it!

CY1NA: Flew the Union Jack at mid-tower to honour those lost in 1916 at Beaumont Hamel and used the CY prefix (tnx to VE3YTZ) to mark Coronation of King Charles III.

DC2HB: First licensed in October of 2022.

DG8DZ: Thx for partition!

DL5KUD: Rig ICOM7400, 80 W RF, Dipole 2x20 M up 5M. Had fun up to 1400 UTC – stopped after start of Marconi test, no more stations from Canada heard, only QRM. – 73 to all and thank you for a nice contest again!

EA2SN: Early end due to antenna failure.

F5PLC: Only for fun. Congrats to all copy my 1 Watt in KT36XA73. – 73, Mike, F5PLC

IV3UHL: Enjoyed the contest, as usual. In my opinion, better change weekend. Too many contests at same time. Everybody didn't know which contest there in.

JA2HYD: Tnx FB Contest!

JA3RAZ: I enjoyed the contest.

JE1RXJ: I enjoyed the contest.

JE6KFN: This is my first Canada Day.

JF1TEU: I enjoyed it because the propagation has improved.

JF2FIU: Thank you all stations.

JK1HIY: I enjoyed RAC 4th time. This score is more than last year.

JR6CSY: I enjoyed the contest.

JR6QXL: Many thanks for picking up my weak signal.

TS-680V(10W) + shaped "L" vertical DP.

K1GQ: SkookumLogger K4 + KPA1500 12-el Tri bander, 2-el 40,

wires, all about 60ft up W1FV 9-circle RX array.

K1RZ: First Canada Day. Fun to contact northerly neighbors.

- 73 Dave, K1RZ

K2CYS: Band conditions very marginal but a fun contest, nonetheless

K2EKM: Conditions seemed better last year. 5 watts more challenging. Still fun!

K2MN: Used two indoor fan dipoles and 80 watts.

VE3/K2NV: Operated from our sailboat at Port Credit Yacht Club in Mississauga, Ontario.

K3TW: Many thanks for another enjoyable RAC Contest.

K4HQK: Need a separate category for stations who choose to work only Canadians.

K6NA: Enjoyed 100% search and pounce, looking only for VE QSOs. – 73, K6NA

K8LF: Enjoyed the RAC contest.

KAOPQW: Fun contest thanks for having it. – 73, Matt, KAOPQW

KB3P: First Canada Day Operation!

KD6WKY: Thanks for a fun contest!

KEOTT: Always enjoy the RAC contests, thanks for the fun! – 73, Dan, KEOTT

KE3K: Happy Canada Day to my friends up north! 73, Bob, KE3K

KF3G: Portable QTH - FM29j19. Thank you for the 2023 RAC Canada Day Contest.

KH6AQ: Another fine contest working our good Canadian friends.

KO4MAO: Lots of fun even with a thunderstorm. I am 16 years old.

KR2Q: A few Qs may have been in the MM Contest. Hard to tell. I see that the output shows: Certificate NO, but I don't see that option in the header anywhere. I would like a certificate.

KY4GS: YL and Rookie (Licensed April 2021)

KZ2V: Happy Canada Day!

N1NN: 17th Canada Day Contest!

N2BZD: Check Log, Heard lots of VEs on 20 metres.

N4NTO: Always love RAC! Very friendly ops! Not enough time,

but got something in!

N6AR: 10 metres completely dead here to Canada, checked

multiple times!

N6GP: I send HCD in CW for Happy Canada Day!

N6TTV: Did not have much time available but this is one of my

favorites.

N6YEU: Gave out a few QSOs to our friends to the north. Happy Canada Day!

N7EPD: Why banish those simply looking at what is going on outside of the contest to assisted? Using spots is not a crime.

N7JI: 2023 Canada Day. O Canada!

N7WY: too much QRN to be effective – surprised to work UW1M on 40 metres!

N8PEP: 8S80AA is indeed the correct call sign. It is the special event call sign of Västerås Radioklubb.

N9BT: Propagation wasn't good on Saturday.

N9TF: Limited time to operate. Waves of thunderstorms Friday night and Saturday took me off the air during times I was able to operate. S&P when on looking for mostly VE stations to work. – 73 Gene, N9TF. 100 watts to 6BTV ground mounted.

NC6V: Fun 24hr contest, thanks!

NN6U: On vacation on Kauai this week and tried to reach Canada from a south-facing beach with 20 wattws, but that unsurprisingly didn't work out. I hopped on a Remote station in NY to pick up a few more slots towards my Canada award and Worked all RAC.

NO8C: Very nice contest. Thanks!

NQ2W: Fun while it lasted. Thanks RAC and thanks QSOs.

- 73, Will, NQ2W

PE2K: All QSOs made with 5-watt QRP and dipole antenna at 20 metres up. QSL is via bureau. – 73, PE2K

VA2BBW: I finally got my white whale, VY0RAC, after all these years!

VA2CO: Several T storms and bad conditions did not help!

VA2OJD: Licensed 3March 30, 2021.

VA3FF: Worked from a cottage on Manitoulin Island (QRA EN85xq). Rig Kenwood TS-2000, IV for 1.8, 3.5 and 7 MHz, 2 el Yagi for 14-21-284 el Yagi for 6m, 5 el Yagi for 2m. 73!

VA3GUY: Had baby granddaughter for the weekend, only had time in the shack off & on.

VA3PMH: First licensed in March 2023.

VA3RKM: Not much 80m participation from VEs, especially SSB.

VA6HEM: I operated with low power without any amplifiers.

VA6RCN: Broken foot switch at beginning of contest. That set me back 20 minutes!

VA7DX: A casual effort CW only this year. Thanks to all who participated! Neil, VA7DX

VA7KBM: VA7KBM using CJ7KBM, the special event call sign for the coronation of King Charles III. God save the King! Happy Canada Day!

VA7QER: First time scoring so may not be correct.

VE2ARC: Portable Op. from POTA VE-5082 using batteries.

VE2KLW: All the QSOs were inside 40-metre frequency band. All the QSOs were in SSB mode. All the QSOs were at low power (100 watts). I obtained my licens in July 2022 (exam).

VE3DMR: Storms in my area made for high static levels but nothing can stop a Canada Contest!

VE3DN: Very hard conditions with deep QSB. Some periods of good propagation. Rig HF: FTDX-10 @5W CW / @10W SSB Rig VHF: FT-847 @5W CW / @10W SSBHF + 6M Antenna: Hy-gain DX-88VHF Antenna: Comet GP-1. Thanks for all the QSOs and repeats :-) 73 VE3DN.

VE3EDE: Very enjoyable.

VE3FCT: First licensed in April of 2023.

VE3FH: Happy Dominion Day!

VE3KQN: I started out on Thursday experimenting with an EFHW antenna using QRP. Once I had it trimmed, operating and I was satisfied with the results I thought I would try it in the RAC Canada Day Contest. It did not disappoint. I enjoyed the contest very much!

VE3LDE: First licensed in November 2020.

VE3LRL: Great time although bands horrible! 2x last year's score!

VE3NRT: New puppy cutting into my CW time. I'm glad I could get on the board this time, though.

VE3RKS: Just a quick attempt for a bit this year.

VE3SST: Very limited time to operate.

VE3TAZ: Great turnout!

VE3TLY: Always fun to participate. Thanks for organizing.

VE3VY: Station only uses single-element wire antennas.

VE3YX: Bands seemed OK but not many stations on Sunday.

VE3ZY: Had to keep one ear on weather radio as it kept warning of severe wx in the area. Power went out for a while. Apologies to those who were dupes while the logging computer was rebooting.

VE5CPU: Thunderstorms and power outage ate into operating time, but fun day of QSOs.

VE5SF: Thunderstorms and logging software problems made for two hours lost on Friday evening. QRN was terrible on 40m during and following the storms. By the time the storms had passed many low band mults were gone.

VE6AO: We operated low power without amplifiers This was to allow for basic+ ops

VE6FI: Operated 13 hours. Big power bump forced the station off the air. Denis, VE6AQ.

VE6GTX: This is my very first contest.

VE6IVN: Thanks for a fun Contest look forward to the Winter contest.

VE6KD: Poor band conditions

VE6MM: Great fun!

VE6SLP: Through thunderstorms and poor band conditions, made some great contacts from around the world. Thanks everyone, 73!

VE7AB: A few minutes S&P at the very end.

VE7MHI: What great fun! Thanks to all the ops, especially the distant or unique (some firsts for me) that took a moment for a chat beyond the classic exchange. I appreciated all those who operated the various RAC stations. Some fun club stations were evident as well.

VE7RAC: This was the Surrey Amateur Radio Club on behalf of Radio Amateurs of Canada.

VE7WNK: 20 and 40 were the workhorses. 15+10 poor. 80 unusable, high QRN.

VE7XBP: RAC Canada Day 2023 entry form for Bruce Patterson, VE7XBP.

VE9WRS: Yaesu 857D end fed antenna Max power 100 watts.

VO1KGZ: First licensed in March 2021.

VYORAC: If I put more than a line here it always formatted to > 75 chars.

W1END: Rig was FTDX101 and Butternut vertical. Always look forward to this one. Great activity.

W1QK: Thanks for the contacts. – 73, Dan, W1QK.

W2TB: Always enjoy Canada Day.

W7VC: First licensed December 2020. My last Canada Day as a "rookie"!

W8AIT: Canada Day 2023.

W9RE: Thunderstorms limited operation especially on 80 and 160. Good show. Thanks!

W9TCV: Only a few contacts early in the evening. Sorry to have been pulled away by other things and looking forward to a better showing next time. Thanks to all who participated. – 73, W9TCV

WA7BNM: Corrected serials to reflect what was actually sent for N4AF and VA7DX.

WB4EHG: Very poor band conditions here in SFL (Florida). I wish there were more Canadian contests.

WB8WUA: I had fun but I scored a lower multiplier value this instance (no VE4s and no VE5s), as there was a low number of Canadian participants. Thanks for this good Canada Contest opportunity.

WO9B: Thank you for another splendid contest. There is just something zen about chasing VEs and their VA and VY siblings around the bands. Touché!

WQ6X: This was WQ6X's first RAC GiG run as a QRP station from Ramona, California. Except for putting in three OP-hours with HP-N7NR, this was an ad-hoc attemptto make a QRP operation as top-notch as can be had running QRP. I ran the K3/0 remote to Ramona, running 5-watts to a 3-el Stepp-IR for the high bands, a 2-el Shorty-40 and a coaxial dipole for 80-meters. Speaking of 80, 80/75 was the biggest disappointment for this GiG, followed by 10-metres. 20 metres was *the* band, although 15 metres had some possibilities. From my viewpoint, there was a dearth of SSB operation this year. Wassup with that? I managed to break a number of pileups, by using carefully-timed calls to the run stations allowing me to slip into the silence – enough to be heard. Look for a writeup.

WX4DAT: Had a great time with RAC Contest. Look forward until the next.

YB7XO: Great contest!

RAC Canada Winter Contest is December 30



RAC Canada Winter Contest Rules 2023:

In December each year, Radio Amateurs of Canada (RAC) sponsors the Canada Winter Contest. Amateurs all over the world are invited to participate.

Contest Period: 0000 UTC to 2359 UTC on December 30.

Bands and Modes: 160, 80, 40, 20, 15, 10, 6 and 2 metres, CW and phone (SSB, FM, AM, etc.)

Suggested frequencies: CW – 25 kHz up from the band edge and for SSB – 1850, 3775, 7075*, 7225, 14175, 21250 and 28500 kHz. Check for CW activity on the half-hour.

*Note: For 7075 kHz please watch for conflicts in the band plan where there are overlaps with other modes of operation.

Exchange: Stations in Canada send RS(T) and province or territory. VEØs and stations outside Canada send RS(T) and a serial number.

<u>Visit: https://www.rac.ca/rac-canada-winter-contest-2023/</u>