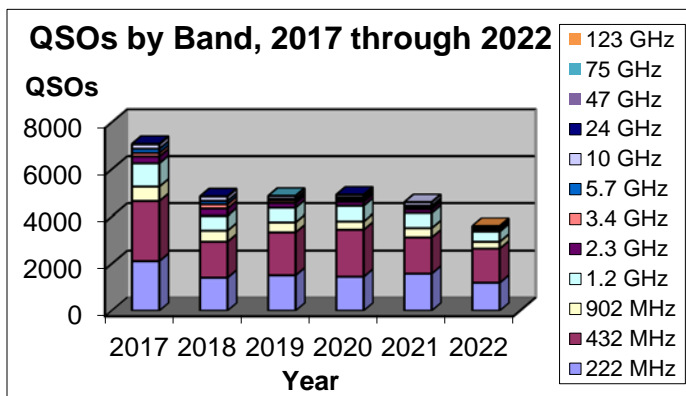




# ARRL 222 MHz and Up Distance Contest 2022 Full Results

By Paul Bourque, N1SFE (n1sfe@arrl.org)

In 2022, there were only 118 logs submitted, the lowest number in the history of the event. Single-Operator again remained the most popular category with 94 entries. 15 Rover entries were received, half the number of Rovers from last year. There were 9 Multioperator entries, an increase from last year's 4 entries, the highest number ever in this event, despite the fact that fewer total logs were submitted.



## The Battle of the Bands

432 MHz continued to reign as the most popular band this year with 110 submitted logs reporting 1,452 QSOs on this band- a decrease of 89 QSOs from 2021. 94 logs reported 1,195 QSOs on 222 MHz- 387 less QSOs than last year. In fact, reported QSOs on all bands 24 GHz and below saw a decrease from last year. 2022 was the first year of the event where QSOs were reported on on 47 GHz and 123 GHz thanks to contacts made by K6MI, KN6HQQ, and WB6HYD. See table 1 for the activity level for all the bands.

Table 1 – Activity by Band

Band	Logs	QSOs	Distance	Points
222	94	1,195	298,179	596,358
432	110	1,452	340,489	340,489
902	56	293	54,748	218,992
1.2G	72	435	74,663	149,326
2.3G	23	93	14,772	88,632
3.4G	8	22	3,916	39,160
5.7G	11	27	3,089	30,890
10G	28	80	10,136	60,816
24G	6	7	131	2,620
47G	3	6	6	120
123G	3	6	6	120

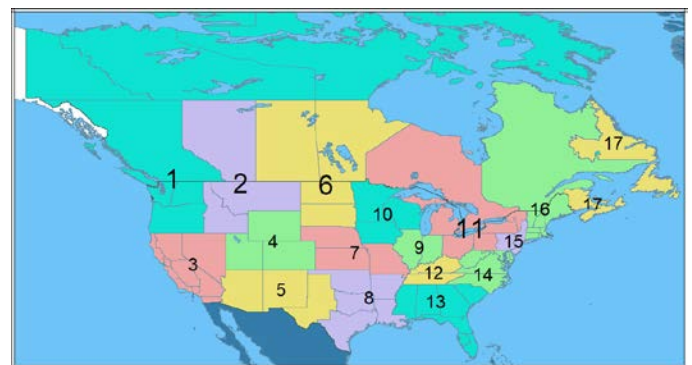
## Best DX of 2022

No new distance records were set in for the bands 24 GHz and below for 2022. As mentioned previously, QSOs were reported on 47 and 123 GHz for the first time this year. Though they were only over 1-kilometer paths, records were set on those bands this year, nonetheless.

With six years of history for this contest, the following table shows the longest paths reported in the submitted logs for each of the bands with the year, the scored length of the path and the stations that were at each end of the path.

2017 through 2022 – Best DX by Band				
<i>(Italics = no log received for that call, new records in bold)</i>				
Band	Year	km	Between	
222 MHz	2020	1,946	K7ULS (DN41di)	<i>K5QE (EM31cj)</i>
432 MHz	2020	1,125	K1RZ (FM19jh)	N4SVC (EM80mi)
902 MHz	2021	769	K1RZ (FM19jh)	KV1J (FN44rc)
1.2 GHz	2019/20	707	K1TEO (FN31jh)	<i>K2CKA (FM06qn)</i>
2.3 GHz	2018	660	VE3ZV (EN92vw)	WZ1V (FN31rh)
3.4 GHz	2017	519	K1RZ (FM19jh)	<i>K8TQK (EM89je)</i>
5.7 GHz	2019	506	AF1T (FN43cd)	N3RG (FM29ki)
10 GHz	2021	604	W1GHZ (FN34uj)	<i>VA3ELE (FN03dm)</i>
24 GHz	2020	69	K6MI/R (DM07aa)	W6TV (DM06ir)
47 GHz	2022	1	<b>K6MI (DM05sb)</b>	<b>KN6HQQ (DM05sb)</b> <b>WB6HYD (DM05sb)</b>
75 GHz	2019	1	WB8TGY/R (EN74cx)	<i>WW8M (EN74cx)</i>
123 GHz	2022	1	<b>K6MI (DM05sb)</b>	<b>KN6HQQ (DM05sb)</b> <b>WB6HYD (DM05sb)</b>

## Map of the Regions



The 222 MHz and Up Contest is organized into 18 Regions, recognizing the geographic disparities of a continent-wide VHF+ contest. Each Region has its own leader tables and is covered separately in the writeup. (Map courtesy of K9JK, based on E18IC's [mapability.com](http://mapability.com) North American Overlay Map)

Logs Submitted by Region				
Region	Total Logs	Single Op	Multi Op	Rover
1	8	8	0	0
2	0	0	0	0
3	13	11	0	2
4	0	0	0	0
5	3	1	1	1
6	0	0	0	0
7	4	3	0	1
8	3	1	0	1
9	9	6	1	2
10	12	9	0	3
11	18	15	0	3
12	5	4	0	1
13	10	8	1	1
14	4	3	0	1
15	10	8	1	1
16	19	16	1	2
17	0	0	0	0
18	0	0	0	0

## Region 15

Participants in Region 15 submitted 10 logs in total. Len, N3NGE, operating as a multiop with Bill, K3EGE, again took first place in the region, making 109 QSOs.

Best DX in Region 15 was an 693 km QSO on 222 MHz between N3NGE in FN20bd and Gary, W8PU, in EM89bh. On 432 MHz, Bob, W2SJ, made a 618 km QSO with Mike, N1JEZ, in FN44ar, securing best DX on that band.

### Region 15 – Best DX by Band (Italics = no log received for that call)

Band	km	Between	
222 MHz	693	N3NGE (FN20bd)	W8PU (EM89bh)
432 MHz	618	W2SJ (FM29jr)	N1JEZ (FN44ar)
902 MHz	513	N3NGE (FN20bd)	W1FKF (FN43gi)
1.2 GHz	424	WB2SIH (FN31dd)	N1JEZ (FN44ar)
2.3 GHz	353	N3NGE (FN20bd)	N2JMH (FN12bw)
3.4 GHz	208	KA3FQS (FN20jf)	K1TEO (FN31jh)
5.7 GHz	261	N3NGE (FN20bd)	K1TEO (FN31jh)
10 GHz	240	N3NGE (FN20bd)	W8ZN (FM09te)

A table of the Top Three scores in each region for all three categories follows the text of the writeup and the full Line Scores data is available online at [contests.arrl.org](http://contests.arrl.org)

## Region 11

A total of 18 logs were submitted from Region 11, encompassing QSOs on 8 bands. James, N2JMH earned the highest score in the region, making 68 contacts on 8 bands. James also had the best DX on the bands from 902 MHz through 5.7 GHz.

Best DX in the region was a 789 km QSO between Ike, VA3IKE, and Jeff, K1TEO, on 432 MHz. Other notable Best DX in the region was a 755 km QSO between Jack, W8PAT, and K1TEO on 432 MHz and a 517 km QSO between James, N2JMH, and Mike, N1JEZ, in grid FN44ar in northern Vermont on 1.2 GHz.

### Region 11 – Best DX by Band (Italics = no log received for that call)

Band	km	Between	
222 MHz	755	W8PAT (EN81vg)	K1TEO (FN31jh)
432 MHz	789	VA3IKE (EN82qb)	K1TEO (FN31jh)
902 MHz	427	N2JMH (FN12bw)	K1TEO (FN31jh)
1.2 GHz	517	N2JMH (FN12bw)	N1JEZ (FN44ar)
2.3 GHz	353	N2JMH (FN12bw)	N3NGE (FN20bd)
3.4 GHz	32	N2JMH (FN12bw)	N2WK (FN03xe)
5.7 GHz	32	N2JMH (FN12bw)	N2WK (FN03xe)
10 GHz	165	K2YAZ (EN74av)	WA9TT/R (EN64bi) WD9EGE/R (EN64bi)



Peter, AF7GL, operated portable from Quartz Mountain for the 2022 222 and Up Distance Contest. [Peter Vizey, AF7GL, photo]

## Region 1

Region 1 saw participation from 8 stations, down from 13 in last year's event. Scott, VA7SC, took the lead in the region with a 776 point lead over Tom, KE7SW. Though Tom made more QSOs, Scott scored higher distance points on 222 MHz and 432 MHz to give him the lead.

Other notable Best DX in Region 1 was a 419 km 432 MHz QSO between Bob, N7QOZ; in CN87td, and, Mark, W7MEM, in DN17mr. Peter, AF7GL, reported a new personal best DX on 1.2GHz was a 302 km QSO with Scott, VA7SC.

**Region 1 – Best DX by Band (Italics = no log received for that call)**

Band	km	Between	
222 MHz	415	KE7SW (CN87td)	<i>W7MEM (DN17mr)</i>
432 MHz	419	N7QOZ (CN87sf)	<i>W7MEM (DN17mr)</i>
902 MHz	35	KE7SW (CN87td)	<i>KB7IOG (CN87og)</i>
1.2 GHz	302	AF7GL (CN97lb)	<i>VA7SC (CN89ji)</i>
2.3 GHz	35	KE7SW (CN87td)	<i>KB7IOG (CN87og)</i>
10 GHz	21	VA7SC (CN89ji)	<i>VE7AFZ (CN89mg)</i>

**Region 10**

Region 10 had a total of 12 logs submitted, 3 of which were Rovers. The rover duo of Melvyn, KCØP/R, and Carol, NØHZO/R, took first/second place with a tie score of 34,551. Coming in close behind in third place is Single Operator, Fixed station Bill, KØAWU, trailing by a mere 542 points.

Best reported DX in the region was a 735 km 222 MHz QSO between Charles, NØAKC, and Greg, WQØP. Gary, WØGHZ, had the best DX on the bands from 902 MHz through 5.7 GHz.

**Region 10 – Best DX by Band (Italics = no log received for that call)**

Band	km	Between	
222 MHz	735	NØAKC (EN44gu)	WQØP (EM19wf)
432 MHz	706	K9MU (EN44ht)	<i>VE4MA (EN19lu)</i>
902 MHz	621	WØGHZ (EN34lx)	<i>VE4MA (EN19lu)</i>
1.2 GHz	621	WØGHZ (EN34lx)	<i>VE4MA (EN19lu)</i>
2.3 GHz	28	WØGHZ (EN34lx)	<i>WØZQ (EN34it)</i>
5.7 GHz	28	WØGHZ (EN34lx)	<i>WØZQ (EN34it)</i>
10 GHz	293	WA9TT/R (EN64bi)	K9PW/R (EN51xr)

**Region 16**

19 logs were submitted in Region 16 again this year. Jeff, K1TEO, held onto his lead in the Single Operator category, while Chris, WIRGA/R, led the Rover category with 93 QSOs on 8 bands.

Eric, KV1J, had the Best DX in the region with an 851 km QSO on 222 MHz with Terry, W8ZN, in FM09te, while Mike, N1JEZ, had the Best DX on 432 MHz with an 814 km QSO with Terry. Jeff claimed the Best DX on 432 MHz, 2.3 GHz, 3.4 GHz, and 5.7 GHz. Dale, AF1T, and Jeff also shared the Best DX on 10 GHz, making a 236 km QSO.

**Region 16 – Best DX by Band (Italics = no log received for that call)**

Band	km	Between	
222 MHz	851	KV1J (FN44rc)	<i>W8ZN (FM09te)</i>
432 MHz	814	N1JEZ (FN44ar)	<i>W8ZN (FM09te)</i>
902 MHz	527	K1TEO (FN31jh)	<i>KO4YC (FM17gv)</i>
1.2 GHz	527	K1TEO (FN31jh)	<i>KO4YC (FM17gv)</i>
2.3 GHz	518	K1TEO (FN31jh)	<i>W2RMA/R (FM08us)</i>
3.4 GHz	518	K1TEO (FN31jh)	<i>W2RMA/R (FM08us)</i>
5.7 GHz	261	K1TEO (FN31jh)	N3NGE (FN20bd)
10 GHz	236	AF1T (FN43cd)	K1TEO (FN31jh)

**Region 13**

10 entries were submitted in Region 13, an increase of 1 entry from last year. Chris, NV4B/R, took the lead in the region with a 54 QSO Rover effort on 3 bands. Second place went to Multi-op N4SVC, with Steve, N2CEI and Jon, KD4AMP behind the controls. Best DX in the region went to Chris on 222 and 432 MHz, and N4SVC on 902 MHz and 1.2 GHz.

**Region 13 – Best DX by Band (Italics = no log received for that call)**

Band	km	Between	
222 MHz	861	NV4B/R (EM54vs)	WQØP (EM19wf)
432 MHz	783	NV4B/R (EM54vs)	<i>AA5C (EM13se)</i>
902 MHz	597	N4SVC (EM80mi)	<i>W4DEX (EM95tg)</i>
1.2 GHz	597	N4SVC (EM80mi)	<i>W4DEX (EM95tg)</i>

**Region 3**

13 logs were submitted in Region 3 this year – 8 less than in 2021. John, K6MI, took the lead in the Single Operator category, with Endaf, N6UTC/R leading the Rover category. The Best DX in the region went to John, with a 480 km QSO on 432 MHz with Bill, KO6KD, in CM98ir. John and Pat, W6TV, dominated the regions' Best DX on all of the bands active in the region. K6MI, along with Andrew, KN6HQQ and John, WB6HYD, made QSOs on 47 GHz and 123 GHz, activating those bands for the first time in this events history.

**Region 3 – Best DX by Band (Italics = no log received for that call)**

Band	km	Between	
222 MHz	449	K6MI (DM05sb)	KC6ZWT (CM98no)
432 MHz	480	K6MI (DM05sb)	<i>KO6KD (CM98ir)</i>
902 MHz	201	W6TV (DM06ir)	K6MI (DM05sb) KN6HQQ (DM05sb) WB6HYD (DM05sb)
1.2 GHz	279	K6MI (DM05sb)	<i>K6VVG (DM07di)</i> K6MI (DM05sb)
2.3 GHz	201	W6TV (DM06ir)	KN6HQQ (DM05sb) WB6HYD (DM05sb) K6MI (DM05sb)
10 GHz	201	W6TV (DM06ir)	KN6HQQ (DM05sb) WB6HYD (DM05sb)
24 GHz	1		KN6HQQ (DM05sb) WB6HYD (DM05sb)
47 GHz	1	K6MI (DM05sb)	KN6HQQ (DM05sb) WB6HYD (DM05sb)
123 GHz	1	K6MI (DM05sb)	KN6HQQ (DM05sb) WB6HYD (DM05sb)

**Region 9**

Region 9 saw log submissions from 9 stations, one higher than in 2021. Bob, K2DRH, again takes the lead in the region, making 102 QSOs on the lower four bands. Second place in the region goes to Multi-op WD9EXD, who also



obtained the Best DX in the region this year with an 868 km QSO with Greg, AA5C in EM13se.

<b>Region 9 – Best DX by Band (Italics = no log received for that call)</b>			
<b>Band</b>	<b>km</b>	<b>Between</b>	
<b>222 MHz</b>	868	WD9EXD (EM57rn)	<i>AA5C (EM13se)</i>
<b>432 MHz</b>	762	N4SV (EN61on)	<i>W8ZN (FM09te)</i>
<b>902 MHz</b>	485	K2DRH (EN41vr)	WD9EXD (EM57rn)
<b>1.2 GHz</b>	485	K2DRH (EN41vr)	WD9EXD (EM57rn)
<b>10 GHz</b>	293	K9PW/R (EN51xr)	WA9TT/R (EN64bi) <i>WD9EGE/R (EN64bi)</i>

## Region 8

Only 3 logs were received this year from Region 8. Pat, W5VY/R, roving this year, took first place in the region with 26 QSOs on 4 bands. Best DX in the region went to Pat for all 4 bands active in the region this year.

<b>Region 8 – Best DX by Band (Italics = no log received for that call)</b>			
<b>Band</b>	<b>km</b>	<b>Between</b>	
<b>222 MHz</b>	615	W5VY/R (EM24tq)	WD9EXD (EM57rn)
<b>432 MHz</b>	615	W5VY/R (EM24tq)	WD9EXD (EM57rn)
<b>902 MHz</b>	532	W5VY/R (EM35ed)	<i>W5AFY (EM04id)</i>
<b>1.2 GHz</b>	506	W5VY/R (EM35ed)	<i>WQØP (EM19wf)</i>

## Region 14

Only 4 logs were received from participants in the region, down from 8 logs submitted last year, consisting on 1 Rover and 3 Single Operator entries. Brian, KO4ECD/R, the lone Rover in the region, took first place with 36 QSOs on 432 MHz, 1.2 GHz and 10 GHz. Best DX in the region was a 646 km 432 MHz QSO between James, KB5NHM, in FM19pc, and Don, W1FKF, in FN43gi.

<b>Region 14 – Best DX by Band (Italics = no log received for that call)</b>			
<b>Band</b>	<b>km</b>	<b>Between</b>	
<b>222 MHz</b>	140	W3FAY (FM18ox)	<i>W8ZN (FM09te)</i>
<b>432 MHz</b>	646	KB5NHM (FM19pc)	W1FKF (FN43gi)
<b>1.2 GHz</b>	259	KO4ECD/R (FM08us)	N3NGE (FN20bd)
<b>10 GHz</b>	48	KO4ECD/R (FM08us)	<i>W8ZN (FM09te)</i>

## Region 5

3 logs were submitted in Region 5, one each in the Single Operator, Rover, and Multioperator categories. In the Multioperator category, Joseph, KC5MVZ, and Jennifer, KE5BZO, took first place in the region, making 15 QSOs on the lowest four bands in the contest. Best DX in the region was a 184 km 432 MHz QSO between Rick, K7CNT, in DM25wk and Jon, N7UV, in DM26ad.

<b>Region 5 – Best DX by Band (Italics = no log received for that call)</b>			
<b>Band</b>	<b>km</b>	<b>Between</b>	
<b>222 MHz</b>	61	K5CV/R (DM94de)	KC5MVZ (DM93dp)
<b>432 MHz</b>	184	K7CNT (DM25wk)	<i>N7UV (DM26ad)</i>
<b>902 MHz</b>	49	K5CV/R (DM83xh)	KC5MVZ (DM93dp)
<b>1.2 GHz</b>	25	KC5MVZ (DM93dp)	<i>KB5KYJ/R (DM93ao)</i> <i>KE5BZO/R (DM93ao)</i>

## Region 12

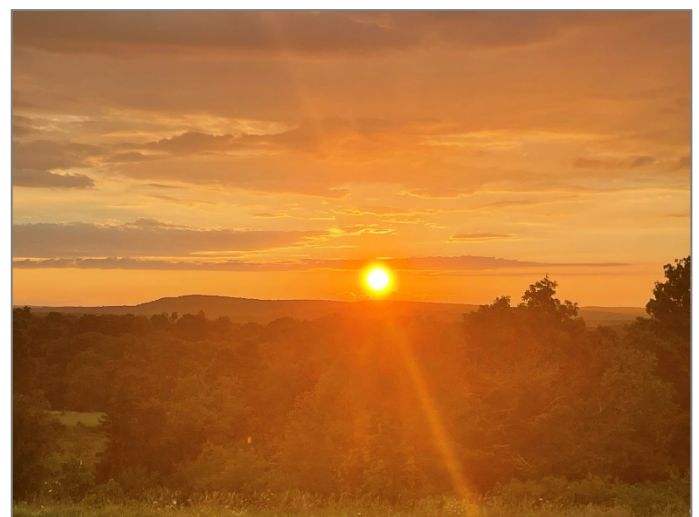
5 logs were submitted in Region 12, consisting of 4 Single Operator logs and 1 Multioperator. Steve, AG4V, this year switching categories to Multi-op, had the top score in the region with 35 QSOs. Steve also had the best DX in the region with a 737 km QSO with Bob, K2DRH, on 222 MHz. In fact, he had the best DX on all the bands active in the region this year. Ed, K4XXX, led the remaining Single-Op scores with 17 QSOs on 222 MHz, 432 MHz and 1.2 GHz.

<b>Region 12 – Best DX by Band (Italics = no log received for that call)</b>			
<b>Band</b>	<b>km</b>	<b>Between</b>	
<b>222 MHz</b>	737	AG4V (EM55bc)	K2DRH (EN41vr)
<b>432 MHz</b>	609	AG4V (EM55bc)	W9WO (EM69su)
<b>902 MHz</b>	400	AG4V (EM55bc)	W5VY/R (EM24vp)
<b>1.2 GHz</b>	299	AG4V (EM55bc)	WD9EXD (EM57rn)

## Region 7

4 logs were submitted for Region 7 this year. Greg, WQØP, again took the top score in the region, with 24 QSOs on 4 bands in the Single Operator category. Greg scored the overall Best DX in the region with a 861 km QSO on 222 MHz with Chris, NV4B/R.

<b>Region 7 – Best DX by Band (Italics = no log received for that call)</b>			
<b>Band</b>	<b>km</b>	<b>Between</b>	
<b>222 MHz</b>	861	WQØP (EM19wf)	NV4B/R (EM54vs)
<b>432 MHz</b>	791	KØTPP (EM48rk)	<i>AA5C (EM13se)</i>
<b>902 MHz</b>	239	WQØP (EM19wf)	WØLGQ (EN21ci)
<b>1.2 GHz</b>	506	WQØP (EM19wf)	W5VY/R (EM35ed)
<b>10 GHz</b>	517	AF4JF/R (EM48qs)	<i>W8BYA (EN70jt)</i>
<b>24 GHz</b>	1	AF4JF/R (EM38xw)	<i>KOØZ (EM38xw)</i>



The sunset over West Peak in Meriden, CT on Saturday evening from the portable location of Paul, N1SFE, in FN31po. [Paul Bourque, N1SFE, photo]

## Affiliated Club Competition

This year, 7 clubs met the minimum of three logs to be considered for the club competition and all were in the Medium Club category. North East Weak Signal Group rose to the top spot this year, displacing Mt Airy VHF Radio Club to third place, with Northern Lights Radio Society remaining in second place.

### Club Aggregate Scores

Club	Score	Entries
<b>Medium</b>		
North East Weak Signal Group	206,261	9
Northern Lights Radio Society	129,186	5
Mt Airy VHF Radio Club	116,871	6
Society of Midwest Contesters	74,221	4
Rochester VHF Group	65,393	5
Pacific Northwest VHF Society	17,223	5
The Ontario VHF Association	11,742	4

Log Checking Reports are now available in this event. Check yours out at [contests.arrl.org/logcheckreports.php](https://contests.arrl.org/logcheckreports.php)

## Team Competition

As noted in previous year's articles, the concept of the team competition is not really catching on. Last year, only 2 teams registered, and this year there was only 1.

*Really Weak Signal Group* was the only team registered this year, with their 5 team members amassing a total score of 325,811 points.

It's time to rally the troops for 2023! Let your fellow 222 and Up enthusiasts know about the team competition and form a team. Teams are made up of any combination of Single Operator, Fixed; Multioperator, Fixed; and Rover category participants operating within a single Contest Region.

Online Team Registration will be available from 10 days before the contest, until 1 hour after the contest begins at [contests.arrl.org/teamreg.php?eid=1](https://contests.arrl.org/teamreg.php?eid=1).

**The 2023 ARRL 222 and Up Distance contest will be held August 5-6, 2023. I hope to see you on the 222 MHz and Up bands!**

## Top Three Scores in Each Region

Region	Operator Type	Call	Score	QSOs	Bands
Region 1	Single Operator	VA7SC	8,423	27	CD9EI
		KE7SW	7,647	47	CD9EF
		AF7GL	5,728	23	CDE
	Region 3	Rover	N6UTC/R	6,546	47
Single Operator		N6ZE/R	573	14	CD9E
		K6MI	14,134	47	CD9EFIJKM
		W6TV (W6YEP, op)	12,663	18	CD9EFI
		KN6HQQ	5,613	26	CD9EFIJKM
WB6HYD	5,613	26	CD9EFIJKM		
Region 5	Rover	K5CV/R	1,033	10	CD9E
	Single Operator	K7CNT	571	6	D
	Multioperator	KC5MVZ	1,222	15	CD9E
Region 7	Single Operator	WQØP	18,911	24	CD9EI
		KØTPP	10,502	12	CD
		NØIS	3,210	8	C
Region 8	Rover	W5VY/R	20,067	26	CD9E
	Single Operator	AA5AM	2,262	5	C
		WA5LFD	19	1	D
Region 9	Rover	K9PW/R	8,379	15	DI
		K9TMS/R	138	8	CD9E
	Single Operator	K2DRH	63,532	102	CD9E
		N4SV	7,611	17	CD
		K9YR	5,871	33	CD9E
	Multioperator	WD9EXD	32,483	47	CD9E
Region 10	Rover	KCØP/R	34,551	83	CD9E
		NØHZO/R	34,551	83	CD9E
		WA9TT/R	15,337	28	CD9EI
	Single Operator	KØAWU	34,009	53	CD9EI
		WØGHZ	30,732	74	CD9EFHI
		K9MU	26,298	68	CD9E
Region 11	Single Operator	N2JMH	38,292	68	CD9EFGHI
		N2WK	19,272	36	CD9EFGHIJ
		W8PAT	15,644	28	CDE
	Multioperator	VE3MIS	27,537	59	CD9EI
		WW2Y	17,415	33	CDE
Region 12	Single Operator	N2SLN	16,994	36	CD9E
		K4XXX	10,099	17	CDE
		AJ6T	5,848	9	C
	Multioperator	K4YRK	2,978	15	D
		AG4V	22,646	35	CD9E
Region 13	Rover	NV4B/R	27,990	54	CDE
	Single Operator	WA4GPM	9,109	22	CDE
		W4ZST	4,067	8	CD
		KC4JD	3,773	13	CD
Region 14	Multioperator	N4SVC	16,240	19	CD9E
		KO4ECD/R	10,166	36	DEI
	Single Operator	N4LAZ	3,837	13	D
		KB5NHM	2,821	10	D
Region 15	Rover	W3FAY	1,150	9	CD
		KØBAK/R	10,174	37	CD
		WB2SIH	21,698	68	CD9E
	Single Operator	W2SJ	16,988	40	CD9EF
		W2BVH	13,700	38	CD9EF
Multioperator	N3NGE	57,589	109	CD9EFHI	
Region 16	Rover	W1RGA/R	39,043	93	CD9EFGHI
		KJ1K/R	4,499	18	CDEF
		K1TEO	151,600	212	CD9EFGHI
	Single Operator	K1KG	51,813	100	CD9EFGHI
		AF1T	49,564	123	CD9EFGHI
		W1FM	148	2	D