

Results, 1988 ARRL 10-Meter Contest

What incredible conditions! It was a real treat for those of us who have never experienced contesting during sunspot peaks.—WQ5L

By Billy Lunt, KR1R, and Phil Rice, WB9JKI
Contest Manager Assistant Contest Manager

Wow! What a contest! Conditions were hot, hot, hot! They were even better than last year. Steve, GW4BLE, summed it up, "What a difference a year makes!" "Every ham in the world must have worked the contest!" asserted Mark, N8IOH. Boy, were they right! HQ received a whopping 1796 logs, reflecting about a 54% increase over last year's entries. Many of these were welcome newcomers who tried the contest for the first time. One such first-timer, Tim, G4ARI, stated, "This is the first time I have entered this contest, but it will not be the last. I hope to be back next year with a better antenna and then I imagine things will really swing!"

From the beaches of the Azores to the jungles of Zambia, and from the deserts of Arizona to the arctic cold of the Yukon, 95 DXCC countries and virtually all US states and Canadian call areas were well represented. DX entries this year totalled 653, up substantially from last year's 230. Of all the entry classes, CW-only was the most popular with 636 entries. Phone only was the second most popular with 459, followed by mixed mode with 361 and multioperator with 178. HQ also received a welcome 162 checklogs.

Last year in the mixed-mode category, only one entry broke the 1-meg mark. This year every entry in the top ten scored over a million points each. NL7GP didn't think he did well and explained, "It was a fun contest but I slept through both European openings." But to Jon's surprise, he edged out KM1H (KQ2M, op) by 60k to win first place in the mixed-mode category. Dave, W00G, retained his third-place spot again this year. In the DX mixed-mode category, Carl, P40V, scored an impressive 2.39 million points to run away with first place. Jim, KH2D, scored 1.2 million points for second place. DL6FBL was just 2k points behind in third place.

On the phone-only front, Rick, KI1G, operated KING to a 933k first-place win. Last year's fourth-place winner, K3EST, nearly tripled last year's score to finish in second place with 914k points. George, NR5M, the winner of the multiop category in 1987, tried his luck at single-op phone this year and finished in third place. Tony, LU2FFD,



The brightly lit tower of Connie, K5CM, lets everyone know where his station is located. (Or is RF cooking the tower?).

operated AZ4F and scored 977k points to win first place DX phone-only. Harry, KA3B/VP5, took second place with 758k and Steve, GW4BLE, finished third.

In the CW-only category, Jeff, N8II, moved from fifth place mixed mode last year to win first place CW-only in 1988. Bob, K1XA, bettered last year's score by over 500k and finished in second this year. Ted, W1GL, scored 761k points for a close third. The DX top-ten CW-only was dominated by Europeans this year. F2CW operated TV6MHZ to win first place with a score of 729k. Jacky also won as the European continental leader. YU3GO put in a good second-place finish with 663k. Branko finished 70k ahead of Giorgio, I2VXJ, who placed third.

The team at W0AIH/9 doubled their score and moved from second place last year to take top honors in the multioperator category with 1.8M points. Not far behind was the crew at

N6ND, who put in a good effort and finished second with a score of 1.5M points. The gang at W5LTR made a valiant run and placed third with 1.4M points. The multiop group at HC2G won first place in the DX-multiop category by amassing a total of 3150 QSOs. NP4CC came in second just 500k points behind and PY5ZBA was a close third with 1.85M points.

Before the onset of winter, while ole Sol is still perking, get out and get those antennas pruned and tuned! The conditions for next year's contest should be more spectacular than ever! See you in the 1989 ARRL 10-Meter Contest next Dec 9-10!

SOAPBOX

The pileups were terrific! (9J2AL). Very good conditions on 10 meters except to the East Coast (HL9TF). There were good conditions to the US. I will QRV this contest next year (JJ3CNL). I could not believe I was called by so many DX stations like

Top Ten—W/VE

Mixed Mode

Call	Score	CW	Call	Score
NL7GP	1,878,484	N8II	857,788	
KM1H	1,818,410	K1XA	769,000	
(KQ2M,op)		W1GL	761,544	
WO0G	1,775,136	WC4E	735,584	
K6LL	1,602,692	N4AR	729,000	
W5WMU	1,578,368	K2ZS	718,812	
(KZ5D,op)		N2AZS	676,320	
K4JPD	1,571,094	N8DCJ	668,528	
(KM9P,op)		K2TW	656,384	
K3ZO	1,470,280	K5NW	615,368	

Phone

Call	Score	CW	Call	Score
K1NG	933,900	N6ND	1,511,640	
(K1G,op)		W5LTR	1,480,256	
K3EST	914,220	N6TU	1,453,710	
NR5M	845,460	W7XR	1,397,866	
K4XS	797,034	K6JYO	1,395,900	
W5VX	774,690	W7EJ	1,314,108	
W3PL		A17B	1,301,460	
(WA8MAZ,op)	749,176	AA4NC	1,288,488	
W1WEF	708,192	N7KA	1,260,092	
N1DE	689,584			
K3ZJ	679,024			
N0XA	655,690			

Top Ten—DX

Mixed Mode

Call	Score	CW	Call	Score
P40V	2,393,188	TV6MHz	F2CW,op)	729,872
(A16V,op)		YU3GO		663,840
KH2D	1,270,120	I2VXJ		593,844
DL6FB	1,267,986	DL1VJ		540,672
HA0DU	1,060,242	OK1ADS		478,192
OK1RI	801,738	LU6U		
IB8A		(LU6UO,op)		472,624
(IK8DOI,op)		5T5CJ		461,616
JA8BYBY	791,908	DL6WW		
(JH8PNE,op)		(DF7ZP,op)		459,360
YU2W	771,120	HABNNN		457,436
(YT2Fl,op)		JH6SOR		452,436
SK9PC	672,078			
JA8RWU	632,016			

Phone

Call	Score	CW	Call	Score
AZ4F	977,952	HC2G	2,446,830	
(LU2FFD,op)		NP4CC	1,982,730	
KA9B/VPS	758,172	PY6ZBA	1,856,490	
GW4BLE	693,616	LP2U	1,752,092	
YV6CAX	659,974	VP2M/ND3A	1,402,080	
EA6VQ	629,888	GW8GT	1,361,822	
HC1OT	625,820	LR1V	1,320,872	
ZL1ANJ	616,176	GB7DX	970,260	
TG9GI	586,880	HA5KKC	958,900	
DL8PC	573,900	OG1AF	917,766	
HK1LDG	551,980			

5N and SU. The propagation was so unusual stations came in from irregular directions. I wondered if someone was making fun of me? (JE1CKA). The snow noise was quite bad all during the contest (JA0DAI). The second day's band conditions were much better (JR7OMD/2). Nice conditions this time. I worked about 300 US stations and 49 states (JM1LRQ). See you next year (JF7WED). It was my first entry for the 10-Meter Contest (JI1LA1). We enjoyed this contest very much (JA6YBR). Great contest! I'm 75 years old and had fun (CT1QF). Thanks for the nice contest. We had excellent conditions. Unfortunately, my brand new 4-element quad came down just before the contest! (CU2BR). My 50-meter long wire broke in the ice storm (DL3ME). I was quite lucky! The day after the contest the tubes in my rig blew up! (DL2OBF). Excellent conditions! (DL1TH). I am 65 years old and not a contest freak but it was a very great pleasure for me to have had contacts with some old and new radio friends (DK9EA). A good contest but poor propagation (EA3BOX). Please increase activity above 28,900 MHz! (EC4CPW). This is my first ARRL 10-Meter Contest. It was marvelous! (EA7FTZ). It was an FB contest and there were good operators (EA5CLO). It's nice to

have 10 meters back and in such good shape. I'm only sorry I didn't have more time to operate (EI1AA). Very nice contest! It was my first 10-Meter Contest and I was very pleased to work so many stations with just a ground plane (FD1HQY). I had good propagation for my first ARRL 10-Meter Contest (F6FYA). I thoroughly enjoyed the contest. As an OT aged 72, I used 100 watts barefoot and no beam. I had to chase everybody for a QSO! No sitting back and letting them call me! (G6QQ). I put up a beam a day or two before the contest and used the contest to check it out (G4IQM). I finished my home-brew monobander just before the contest. No problems until Monday when the neighbor complained about TV1! (G4MET). I enjoyed the contest but was unable to work the full 36 hours (G4WVX). I can't compete with the big boys, but I very much enjoyed taking part in the contest (G4ZME). The contest was a great end to the RSGB 75th Anniversary celebrations. I hope to take part again next year (GB75DX). A super contest but I had to QRT early on Sunday to attend a family christening, and the score suffered (GW4RHW). A fine contest! Nice to hear 10 meters open again after so many years (HA0DU). Nice conditions and a fine contest! (HA7RB). A great contest with good conditions (I1POR). A very beautiful contest! (IK0JUI). Incredibly good propagation during the contest (IO4JMY). Unfortunately, I could not spend too much time contesting. Maybe next time I'll do a more serious effort (OH6VR). Thanks for the contest (OH3GZ). The US 4th call area was very active. Sunday's opening to the West Coast was very good (OH3RF). Poor propagation to Japan and the US West Coast dropped the final score down 1 million points (OG1AF). A nice contest with an amazing number of old-timers, especially on CW. I worked a lot of them more than 30 years ago (OK3EA). I worked Z21 and UI9 for two new countries on 10-meter QRP (PA0IA). I hope the 1989 contest will be even better (PA3EOB). I did the contest just for fun (PA3ELS). A very nice contest with a lot of activity from all over the world (PA3EW). Conditions were better than expected (PA3BNT). Thanks for a nice contest, but it was hard going with just a vertical (OZ6PI). The amp broke down with blue flashes and smoke the second day (OZ5EV). Thank you for arranging this nice contest every year (SM5DAC). Thanks for the nice contest (SM5EMR). Thanks to the club members that operated the computer, fixed the coffee, and encouraged and comforted the operators (SK5DB). There was poor propagation on 10 meters (SP1PBW). Thanks for the contest! The conditions didn't last (UA1OT). A lot of DX was worked. Thanks for the nice contest! (UT4UZ). Good health and success in all your endeavors in 1989!

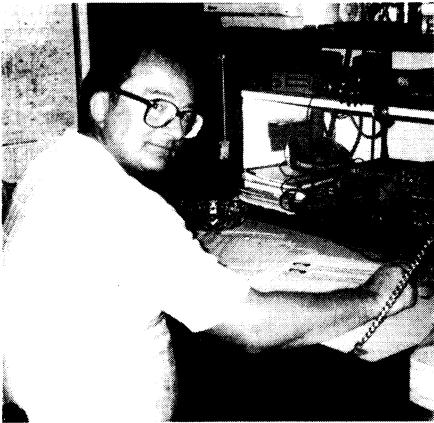
(UC2ADX). Thanks for the contest! (UQ1GXT). Good propagation to the US. Nice to meet all of you in the contest (UR2RHF). FE conditions and an FB contest! See you again in 1989! (Y43XE). Thanks for the contest! (YO6BZL). Sorry I had no more time to spend in the contest. Very fine conditions on 10 (YO3AC). My first 10-Meter Contest! Next year I will use a beam. I worked 46% Ws! HI! It was a pleasure! (Y05BQ). Fine propagation to the states! (YO8KZD). We had good propagation during the contest. See you next year (YU3HR). My first contest and I really enjoyed it! (KG4OM). Conditions were very good but the band slowed down too soon (TG9GI). It was frustrating to listen to South American stations working strings of JAs when the band had closed here (KA3B/VP5). As usual, I enjoyed the 10-Meter Contest (XE1XIV). This is my first ARRL contest and I didn't have much time to work it (XE2KHG). Working a CW pileup into the US during a contest is sheer punishment (KH2D). It was fascinating to watch the propagation change during the contest. I think the band is open more than we realize. Keep on calling CQ! (KX6TY). A most enjoyable contest. I'm looking forward to the next one (VK1RJ). I enjoyed this contest. It was a change from the all-band rat race. HI! Propagation times made the contest more relaxing and I hope to enter more of these in the future (VK8AV). I am a newcomer to Amateur Radio and this is my second contest (YC61NU). Conditions were much better than in 1987! (YB0ATB/3). I tried my best with 100 watts to a ground-warming (I mean mounted) vertical. Next year I will use a beam! (KA1MXZ). I only enter contests to work new DXCC countries. I got 3 new ones this time (W1IVB). I operated the entire contest using a bank of 60 Ah gel cells in my van. I wish the equipment had thrown off more heat because it sure was cold mountaintopping that weekend! (N1ENV/T). I was able to add a few new countries and really got to try out the new Yagi (KA1RPQ/N). The XYL was in the hospital so I didn't operate much (W1CNU). I'm glad most of us were Novices at one time (KQ1V). A great contest! A lesson in propagation as each hour passed (NA1G). My highest score to date with less operating time. How about an indoor-dipole, townhouse/condo category? (WA1PLK). If our score is any indication, all the elements were present to make this year's contest the best ever (KX1G). Great contest but propagation died early Saturday evening. I got tired of coffee, and dueling the logs was a bore (NIATO). My first contest! It was fun and educational (KA1DZP). I'm 11 years old and I did the most DXing in my life in this contest. They should have it twice a year (KA1SSU/N). I had a terrible time fighting a throat infection and a case of food poison-

Division Leaders

Division	Mixed Mode	Phone	CW	Multiop
Atlantic	K3ZO	W3PL (WA8MAZ,op)	W3USS (AA4U,op)	N2NU
Central	N9RD	KQ9L	NA9J	W0AIH/9
Dakota	N8AT	AC0W	WB9O	KR0B
Delta	W5WMU (KZ5D,op)	WB5SKQ	W4XJ	WD5/JZL
Great Lakes	WD8AUB	K8CC (W8WD,op)	N4AR	N4TBJ
Hudson	K3EW	N2BJ	K2ZS	N2EOC
Midwest	W0OG	N0XA	K0RWL	KY0B
Northwestern	NL7GP	N7HAZ	K7QO	W7XR
Pacific	NC7K	K3EST	N6ZB	N6TU
Rocky Mountain	W0YK	N1E	AC0S	W5LTR
Roanoke	WB8HDD	K3ZJ	N8II	AA4NC
Southeastern	K4JD (KM9P,op)	K4XS	WC4E	WT4A
Southwestern	K6LL	WB7FDQ	KD7E	N6ND
West Gulf	AD5Q	NR5M	K5NW	K5CM
Canada	VE5UF	VE3CVX	VO1MP	VE3XO

DX Continental Leaders

Continent	Mixed Mode	Phone	CW	Multiop
Africa	ZS6BRZ	TU4BR/U5U7 (KA9DOO,op)	5T5CJ	JA9YBA
Asia	JA8BYBY (JH8PNE,op)	JA7YAA (JJ3CNL,op)	JH6SOR	GW8GT
Europe	DL6FB	GW4BLE	TV6MHz (F2CW,op)	NP4CC
North America	XE1XIV	KA3B/VP5	HP1AC	VK2MAG
Oceania	KH2D	ZL1ANJ	AX4XA	HC2G
South America	P40V (AI6V,op)	AZ4F (LU2FFD,op)	LUGU (LU6UO,op)	

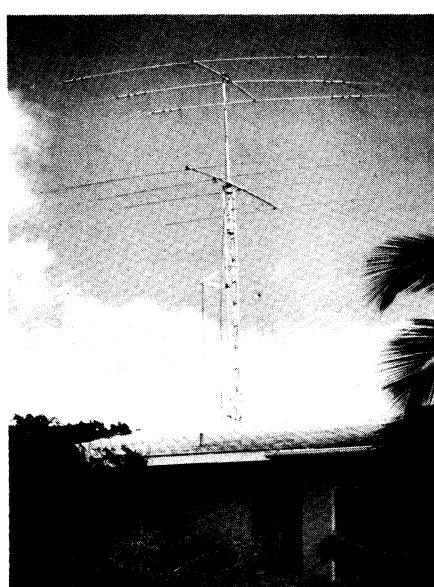


PA0LOU operated YB0ATB/3 in the CW category and won first place in Indonesia.

ing! (KQ2M). How about a QRP section next year? (KT1H). The weekend was a blur (WB2JSJ). Great contest! I had a super time with FB conditions (K3EW). Propagation was generally good (N1CC). This was my first 10-Meter Contest. It was great! (KD2BW). I made my first ever QSOs on HF (N2EHZ). With the return of good conditions on 10 meters this contest, it was very nice to renew old friendships (WB2AMU). Thanks to the hot band and the cold weather I worked twice as many stations as I had planned (K4BNC). Whew! What a contest! And my first one, too! I can't wait for the next one! (NX2V). I challenged WC4E to a code-only battle about a week before the contest. It looks like we ended up in a dead heat (KZ2S). I had 75 QSOs an hour with 100 watts and a 20-foot-high dipole. What a band! (K2PS). It was fun as usual but not much activity from Africa or South America. You should have an award for Worked All Europe! HI! (N2ETJ). A great contest again with terrific conditions (W2NZH). A nice contest and great conditions. Too bad the flu was going around! (WF2L). After a long weekend of contesting the aurora Sunday evening seemed to get everyone's adrenalin up again! (K2QR). My first 10-Meter Contest. I had lots of fun along with rotor problems and a high noise level (KM2P). A good contest again. I might have had a higher score if I was more up about where those Russian prefixes were! HI! (K3HBP). I enjoyed the contest immensely. It's the first time I've participated in the 10-Meter Contest (N3ED). This contest was a very enjoyable one (KA3ROF). Band conditions were excellent. It was the most fun I've ever had in a contest (K3QQ). I lost my keyer in the first hour and the rest of my patience the following hour (KA3AFY). Superb conditions provided lots of fun! (N3GOW). I only had time to put a few hours into the contest. It was my first contest other than Field Day (N3GNW). I was glad to hear 10 meters wide open. I wish I had more time to spend in the hunt (W3CEI). My first contest with a completely renovated station and equipment (W3BCN). Terrific conditions but the line noise was a severe problem (K3ZO). Strong backscatter made it fun to work all the familiar guys in the middle of European runs (WB2EKK). I'll never dupe another 10-meter log by hand! (W3LPL). This was only my second year of participation in this contest. Last year, all contacts were US. This year, lots of fine DX! I look forward to the 1989 contest! (KA3CXG). I only had time to work about 3 hours. I enjoyed the little time I did operate (WB3CDX/T). I would have liked to have seen more Novices and Technicians on the air (N3GLK/T). Casual operation yielded two new countries (K3MD). Wish I was 50 again (K4SB). The best conditions I ever saw for the 10-Meter Contest (N4UZ). I worked my first Pacific station (N4OHW). This was my first time operating QRP and I had fun (AB4LR). I love the contest and I'm looking forward to one day being able to compete seriously (N4QVM). Great conditions! Doesn't anyone keep a dupe sheet? I had over 200 dupes and almost all

of them called me! (K4XS). Believe it or not it gets cold in FL. We almost froze the first night! (W4NN). This was my first contest and I enjoyed it very much. I was amazed with the European countries I was working (N4SQC/T). I was babysitting, washing clothes and other chores during the contest, but managed to make a few contacts (N4RYO). Where were all the CW stations? (N4SFY/T). This was my first contest since I was licensed in 1978 (KD7GD). Conditions were generally very good although the band closed early in the evenings (K4LTA). This was the best I have ever seen the 10-meter band (N4JRG). Where were all the Novices and Technicians on CW? (KA5DAN). 10 meters sounded like a Sweepstakes contest (W5EW). After trying for some time to work TU4BR/SU7, he asked everyone to stand by to see if there were any MS stations on frequency! Talk about luck! (WD5JZL). The contest was a lot of fun but the paperwork afterwards was a pain. HI! (KA5FSB). The band was so open I just pointed the beam NE and worked the world! (N5EZA). Thanks for the good contest. It was a good test for a new antenna (N7KA). I enjoyed the contest but where were all the Novice and Technician stations? (KO5D). I had TVI, a TR relay blow up in the amp and I lost the receiver with 6 hours to go! (N5DDO). The highest solar flux levels for this contest since 1982 brought lots of activity on the band. One has to wonder what it might have been like if the even, higher flux two weeks later had been present! (WAS1YX). A great contest! P40V sounded like he was next door! (NZ5T). It was very exciting to have rare DX calling me and it was a blast working all of the Novices and Technicians (WX6M). This year I had to keep my tower all the way down because of the high winds the first day (WB6NFO). The best conditions ever for this contest! (AE6E). It would have been nice to work AZ, NM and UT for a weekend WAS but no dice this time (W6TKV). The band conditions in southern CA were just beautiful and I beat my best old score of '81! (WA6GFR). This is my first attempt at contesting and I don't expect to win anything, but I did the most important thing: I had fun! (N6RNG/T). The ingredients for a great West Coast 10-Meter Contest: good conditions, lots of JAs, lots of EU multipliers and your YL's out of town! (NS6V). I missed a lot of DX because of my ground-mounted vertical. Maybe next year I'll have a beam antenna (WA6HRK). How about a new category? Add up the total cost of all the equipment used in the contest, divide by the total score and the ham with the smallest number wins! Whaddaya think? (W6BKY). I entered just for fun and I had a ball! (W6PU). The conditions

were excellent but I had frequent S7-8 line noise (W6MVW). The snappy exchange and the hordes of enthusiastic Technicians and Novices make for some rapid-fire contacts. I love it! (N6EE). My first real contest effort. The paperwork was the toughest part (KJ6CA). Ten meters was worth waiting for! (NL7KB). 48-hour contests seem like 72 hours as I get older! (KD7E). Murphy was good to me! This is the best I've ever done in any contest! (KA7NOC). Thanks for a great contest. I can't wait to see what the conditions will be like next year (KN7K). I operated as long as the band was open! Then I finished the contest and packed everything up and moved to WA (N7HAZ). Operating barefoot was a nice change of pace (KS7T). I am looking forward to next year when conditions should be really fantastic (K7NV). I had a great time! (W7EYE). I couldn't make it into Europe at all and it was frustrating listening to the midwest and eastern stations working them in the morning (NZ7Q). What a difference compared to last year! (WE7B). This was a marathon weekend for me (WA7HQD). A relaxed way for us TOTs (Tired Old Timers) to stay in the contest with a minimum of bookkeeping is to work each multiplier only once! (WTTE). Thanks to everybody for a fine contest. Maybe next year I'll have an antenna with gain! Watch out! (WB7EJS). The vast majority of operators were courteous. It was a fun event (K7IOO). I had constant interruptions from customers, friends and neighbors on Saturday so I closed the drapes, ignored the phone, and turned off the VHF rigs on Sunday (KA7MCX). I really enjoyed this contest and intend to enter more of them (WA7UGB). I used an indoor dipole and I can't wait to get up a serious antenna! (W7LZP). It's nice to hear 10 meters open again. QRP guys like me love contests like this (N0AX). The biggest bang of the contest was working the XT station who I hope wasn't a pirate! (WS7I). My best contest ever (NC7O). I hope next year is even better (K8LJQ). Great contest! Everything my dad (K8EXP) told me about 10 meters back in 1957 is true. I can't wait for next year (N8AGU). God Bless Cycle 22! (N8ICW). I worked more DX than I had all year! (WF0E). I missed the first evening of the contest due to a date with the salt mine! (N8II). Great fun from out in the boonies (N9FXS/T). Putting the YL on the mic caused some interesting comments (WB9JKI). 100 watts with a mini-beam kept things interesting (NX9T). The conditions were not as good as I had hoped, but certainly far better than last year. I hope to see you all next year (NI9C). This is the first time I've ever participated in a contest. It was fun! (KA9NTO/T). I came within one page of running out of log sheets! (KV0K). There was great propagation during the daylight hours and several QRP stations were S7 or better. I hope 1989 will be as good (N0FFZ). I had to work most of the weekend, so not much time was spent operating (KA0YXI/T). Two of my harmonics caught contest fever! I wish I had 2 more rigs (KD0RN). It was my first contest in 47 years of Amateur Radio. I was surprised to contact almost as many countries as states (WB0WGZ). This was my first contest operation since returning from Hawaii. I see that I need a little different strategy in chasing DX (WE0A). 10 meters is fantastic when it's open! (N00Y). It is hard to tell how much of the larger score this year is due to improved conditions or improved operating skills (WB0U). Thanks for a real fun contest (KA0UPF). My 10-month-old daughter enjoyed sitting on my lap while I worked the contest (N6VB). I missed the Novices on CW. Were they all on phone? (KD0SF). We had to shut down early to help out a stranded motorist (N0BNG). You would think ND was rare DX by Sunday afternoon! (WB0C). My first contest! I'm think I'm hooked! (KA9IZP). I'm gonna get a babysitter next time so I don't have to run upstairs to change diapers (KB0AWB/T). I had a ball and was surprised at the stations worked (KA0VZB/N). It's my first contest (VE2FS). Conditions were good but not great given the previous three months on 10 meters (VE3FIU). Daytime openings and no marathon endurance required! (VE3NBE). Friday-night aurora knocked out the polar path to Europe for the weekend (VESUF). Next year I will put up my 5-element log periodic! (VE5AAD). I'm 76 years old and it's sure tough getting those close-in multipliers on backscatter (VE5XU).



VP2M/ND3A made over 2300 QSOs from beautiful Montserrat to place fourth in the DX multiop category.

Scores

DX scores are listed by continent and country according to the ARRL DXCC list. US and Canadian scores are listed by call area and ARRL section. Each line score lists call sign, score, QSOs, multipliers and entry class (A = Mixed Mode; B = Phone only; C = CW only; D = Multioperator). The /T after a call sign indicates a Technician entry and the /N a Novice entry.

DX	JH1NSD	25,920- 144- 45- C	DL1SBF	2,688- 37- 28- A	F6FNL	165,850- 506- 107- A	IB8A (IK8DOI,op)
Africa	JH1LAI	24,576- 128- 48- C	DL8PC	573,900- 1913- 150- B	FB1MUX/N	81,404- 323- 94- A	791,908- 1489- 194- A
CT3DL	JA7EDZ	23,520- 120- 49- C	DJ3HJ	194,400- 810- 120- B	FB1NQL	21,120- 116- 55- A	55,944- 297- 74- A
CT3DJ	JA1DFQ	19,824- 118- 42- C	DL7XR	61,992- 287- 108- B	FE6IDZ	528- 22- 11- A	I3KVW 27,246- 231- 57- A
EABAMT	JJ1NZA	19,656- 126- 39- C	DL3SBI	32,574- 183- 89- B	F6EHN	348,030- 1289- 135- B	I1POR 470,654- 1693- 139- B
EABAXN	7J2AAF (W1END,op)	12,300- 74- 41- C	DJ9BX	24,254- 181- 67- B	F6AOJ	283,464- 1116- 127- B	IO4LCK (I4LCK,op)
EA9RY	JO1QZI	12,168- 77- 39- C	DL3ME	8,428- 98- 43- B	FD1LBL	272,780- 1186- 115- B	412,896- 1518- 136- B
EA9IE	JA0HC	9,240- 70- 33- C	DL9DR	6,960- 87- 40- B	FD1MRV/P	91,696- 493- 93- B	IBBYG 183,286- 811- 113- B
ZS6BRZ	JA1BNW	9,176- 74- 31- C	DL1VJ	540,672- 1021- 132- C	FD1HQY	35,804- 207- 86- B	IV3YYK 174,720- 780- 112- B
ZS6HO	JA2AJA	6,600- 66- 25- C	DL0WW (DF7Z,op)	459,360- 957- 120- C	F6FHA	13,440- 120- 58- B	IKAUJ 45,390- 255- 89- B
ZS5Z	JH8RQG	4,876- 50- 23- C	DL4BAH	118,608- 346- 84- C	F6FYF	6,930- 77- 45- B	I2VXJ 593,844- 1198- 123- C
ST5CJ	JR3EX	4,800- 50- 24- C	DJ5GG	112,344- 300- 93- C	TV6MHz (F2CW,op)	161,792- 512- 79- C	IKAFWI 11XPQ 96,324- 349- 69- C
TU4BR/U7 (KA9DOO,op)	JN1WXW	3,872- 43- 22- C	DL1TH	112,112- 306- 91- C	F6AUS	280,296- 687- 102- C	IO4JMY (I4s ABF,JMY,UHF,USC, YSS,IK4JTL,ops)
524,790- 1785- 147- B	JH4ATV	1,900- 25- 19- C	DL7CF	92,916- 261- 89- C	FD1MFB	10,152- 108- 47- B	724,752- 2083- 168- D
8J2AL	JR1WHR	1,600- 24- 16- C	DL1ZQ	85,840- 287- 74- C	F6KDV	204,020- 480- 101- C	IK4HLO (I4s JB,MES,YNO,IK4s ALM, CFV,HZD,JQQ,LHC,ops)
905NW	JA1KKA	952- 17- 14- C	DL5GBG	65,576- 228- 73- C	F6FYA	177,160- 430- 103- C	403,840- 1247- 160- D
JA1SK	540- 15- 9- C	DJ0JF	50,424- 191- 66- C	F6HWS	175,320- 487- 90- C	IK2GWH (+IK7GDP)	
JA7AXP	280- 14- 5- C	DK3LM	21,800- 109- 50- C	F6EEM	134,808- 405- 82- C	38,136- 241- 48- D	
JA8YBY (JH8PNE,op)	672,792- 1291- 194- D	DL4UL	20,776- 102- 49- C	F1JDG	109,020- 338- 79- C	IS0LYN 22,366- 110- 53- A	
JA8RWU	JA9s VDA,10148,	JA9VSF,ops) 771,620- 1345- 205- D	DF5BL	13,680- 90- 38- C	F3AT	58,108- 198- 73- C	IS0AEQ 53,044- 298- 89- B
HL9FN	17,072- 113- 44- A	JA1YCL (JK1STT,JI1s LNC,QOC,	DK9EA	11,832- 101- 29- C	F6DZD	52,704- 243- 54- C	
HL9TF	134,784- 648- 104- B	JO1GAD,JA4PZM,JH7XMO,	DL4GBR	7,936- 62- 32- C	F6EQV	51,456- 200- 64- C	
HL9CA	7,320- 61- 30- C	JH8PMO,ops)	DL9VDO	5,220- 45- 29- C	FD1LYJ	43,904- 195- 56- C	
JA8YBY (JH8PNE,op)	771,120- 1331- 204- A	DK2OY (+ DF7RX,DL6RAI)	DK2OY	773,832- 1247- 228- D	F6GNP	39,520- 186- 52- C	
JA8RWU	632,016- 1122- 189- A	JA9VSC,ops) 771,620- 1345- 205- D	DF0SX (DL1s SCR,SV,C	54,944- 137- 53- C	LA5JX	109,830- 523- 105- B	
JA7DAH	562,368- 1177- 174- A	JE7WGO, JG7MO, J7T0ED,	DL2SAX,ops) 560,160- 1215- 180- D	FD1LBD	23,856- 142- 42- C		
JA4UTP	555,360- 1054- 195- A	JA9VSX,ops) 646,750- 1049- 199- D	DF0BA (DL1B1S,DL3GBQ,DL4BZ)	F6CC1	15,840- 90- 44- C		
JI2KVV	472,880- 841- 184- A	JA2YKA (JE2JCVC,JE4LIK,JE2UFL	F9QE	13,764- 92- 37- C	LA2AD	6,308- 83- 38- B	
JI1SEK	431,460- 1008- 170- A	JG2VT,DJ2JJ,FAU,NJF,JK2CZL,DL2s	DL3SCR (+ DH1SAB,DL3SBI,	F2DE	12,528- 71- 36- C		
JR3BOT	348,348- 762- 154- A	KRD,TZC,JM2FPO,ops)	DL8CC	32,574- 183- 88- D	F5AM	8,352- 58- 36- C	
JM1SMY	304,260- 635- 165- A	604,032- 1056- 192- D	DL8SCC (+ DH1SAB,DL3s SBI,SCR)	FE2VV	3,612- 43- 21- C		
JA9JFO	281,280- 603- 160- A	JE2YRD (JF2EOC,JR2SQU,JH4VBO,	DH1SAB (+ DL3s SBI,SCR,DL8SCC)	FD1MAE	840- 15- 14- C		
JA0DMV	140,400- 407- 117- A	JE7BIZ,ops) 578,664- 952- 188- D	7,964- 183- 89- D	TV6DNF (F1HAS,FB1NBX,	LA4C (LA3ZFA,LA6FFA,ops)		
J1J1VG	129,456- 353- 124- A	JG3ZDK (JH1ORL,JH3DBI,DL3WLC,	DF6COUP,ops) 600,880- 2072- 145- D	F6COUP,ops) 600,880- 2072- 145- D	88,830- 409- 105- D		
JA1OZC	97,416- 370- 99- A	JF4UF,ops) 570,114- 1093- 171- D	32,574- 183- 89- D	FF6KAW (F6DZB,FD1s JDS,May,	LX2QR 55,016- 299- 92- B		
JA2YAU (JE7MAY,op)	91,000- 283- 100- A	JA1YXP (J11UTP,JP1SMR,JO1JOZ,	FD1MRC (+ FD1MLJ)	572,704- 1440- 176- D	LX2PA 242,556- 493- 123- C		
JA1BUI	46,458- 264- 46- A	JA1DRL, JH9CAU,JH0PRR,ops)	JA5CHT	62,000- 306- 100- A	F6IFR (+ F6s CWN,GWV,HMQ)	LZ1KNP 166,668- 423- 129- A	
JH6TYD	36,580- 157- 59- A	567,420- 1026- 193- D	EA3CCN	411,252- 1594- 129- B	LZ1ZF	113,806- 462- 77- A	
J45IP	34,364- 161- 71- A	JA6YAI (JN1LLA,JE6BL,JF6UFJ,	EA3BOX	185,704- 668- 139- B	LZ1KVF	67,760- 320- 77- A	
JM1AQU	28,792- 154- 59- A	JG6OZC,ops) 472,524- 859- 169- D	EA3BER	178,976- 799- 112- B	LZ1YG	30,720- 255- 60- A	
JG2TSU/1	28,548- 132- 61- A	JA4YJJA (J3LJL,JN1LLA,JA3ZPL,	EA3EGB	164,952- 711- 116- B	LZ2QV	11,310- 74- 39- A	
JR2MLV	27,280- 122- 62- A	JF4UF,ops) 570,114- 1093- 171- D	EA5FDK	135,424- 529- 128- B	LZ2ES	48,764- 334- 73- B	
JA1YAD (JH9AMU,op)	23,998- 120- 71- A	JA6YCU (J4s CHN,CHV,JE6s UWK,	EAE4EP	160,428- 347- 174- A	FD1MNC (+ FD1MLJ)	LZ1OT 20,140- 190- 53- B	
JA3UWB	14,940- 140- 45- A	XUW,JF6MDN,JF6EDY,JJ6s PXB,	EA5CHT	62,000- 306- 100- A	73,788- 349- 86- D	LZ2WM 6,888- 82- 42- B	
JH7CJM	13,200- 83- 40- A	XZG,KJ6LCY,ops)	EA3ELM	61,000- 305- 100- B	LZ1V (LZ1s UF,ZO,ops)	LX2QR 55,016- 299- 92- B	
JH1PKY	7,956- 81- 34- A	336,622- 872- 143- D	EA3FRJ	44,492- 227- 98- B	42,380- 200- 59- D		
JH7AJD/1	7,656- 70- 33- A	JE6ZAI (JF4ETK,JS1PWV,	EA3ELZ	40,280- 212- 95- B	LZ1KNP 166,668- 423- 129- A		
JA0BPY/1	3,968- 52- 32- A	JA1KYX,ops) 254,540- 813- 110- D	EA1AW	39,312- 182- 108- B	OE6IMD	9,472- 64- 37- C	
JA4DUD	3,306- 43- 29- A	JE1YLP/1 (JF1BNM,JE7RJZ,	EA3EJI	34,440- 210- 82- B	FD1MRC	546,448- 2009- 136- D	
JA1EL	2,408- 38- 28- A	JH6VMU,ops) 234,080- 537- 152- D	EA3CZR	32,208- 183- 88- B	54,944- 137- 53- C		
JA0BGZ	2,120- 38- 20- A	JA7YCO (JA7-30336,JF7HZY,	EA7CU	27,200- 170- 80- B	G3ESF	185,464- 473- 97- C	
JA6BWH	1,430- 36- 13- A	JT6GBI,ops) 100,848- 323- 88- D	EA4DMB	164,312- 437- 94- C	OH7NW	16,810- 109- 41- A	
JA2EAB	462- 17- 11- A	JA6YBR (JF6s CWV,TMH,JG6CVO,	EA5AEN	155,110- 135- 93- B	OH6NVC	71,760- 460- 78- B	
JA7YAA (JJ3CNL,op)	46,900- 279- 75- D	JA6BZB,JA6BR,JA6GKT,ops)	EA4EER	22,200- 185- 60- B	OH4OO	30,420- 234- 65- B	
306,032- 1234- 124- B	JA2YEF (+ ops) 32,976- 227- 72- D	32,574- 183- 89- D	GA4ZFE	61,100- 231- 65- C	OH3GZ	10,800- 135- 40- B	
JE8XRF	127,988- 653- 98- B	JA1BQ	7,968- 83- 48- B	GA6ZON	54,896- 180- 73- C	OH3RN	3,420- 57- 30- C
JF2GYH	39,852- 243- 82- B	10,296- 156- 33- B	EC4CPW	120,510- 286- 117- A	242,880- 546- 110- C		
JE7DOT	34,086- 247- 69- B	JA6SNT	7,300- 73- 50- B	G6QOQ	120,510- 286- 117- A	OE6IMD	9,472- 64- 37- C
JA1HWO	32,340- 210- 77- B	33,720- 93- 20- B	EA2BUZ	6,336- 88- 36- B	FD1LBD	113,806- 462- 77- A	
JA3IWA	31,416- 204- 77- B	UA0FF	5,100- 85- 30- B	G4IQM	31,104- 142- 72- A	54,944- 137- 53- C	
JH1UUT	29,890- 245- 61- B	UA0FF	5,100- 85- 30- B	GA4UF	156,584- 851- 92- B	OH2PY	13,406- 316- 110- A
JA6EFT	29,792- 196- 76- B	UA0WW	5,100- 85- 30- B	GA4ZMF	48,226- 147- 107- D	54,944- 137- 53- C	
JF1SRG	11,224- 122- 46- B	42,330- 415- 51- B	EA5EFV	7,300- 73- 50- B	FF6KPQ (+ ops)	321,552- 695- 116- D	
JA1PUK	19,740- 210- 47- B	UASCQB	7,300- 73- 50- B	GA6KPV	126,000- 604- 100- B	FD1MRC	236,096- 596- 112- D
JA1ASO	17,690- 145- 61- B	3,720- 491- 54- C	EA3EBN	16,642- 157- 53- B	GA6KQW (G3AWH,op)	507,174- 1851- 137- D	
JA3BBG	16,104- 122- 66- B	UW0LWT	5,100- 85- 30- B	EC5CPT	14,592- 152- 48- B	OK1RI	801,738- 2042- 147- A
JA6QDU	15,370- 145- 53- B	106,056- 491- 54- C	EA1BKT	4,902- 57- 43- B	OK3EA	467,544- 1119- 132- A	
JL1MW1	14,664- 156- 47- B	UW0CM	19,184- 109- 44- C	EA7GMK	4,902- 57- 43- B	OK2BVX	65,688- 221- 92- A
JE2IFM/2	11,224- 122- 46- B	14,720- 115- 32- C	EA5BZS	2,666- 43- 31- B	OK1KZ	46,410- 253- 65- A	
JA5EJO	10,058- 107- 47- B	UW0DX	12,288- 12- 12- B	EA7FTZ	1,292- 34- 19- B	OK1DXW	43,218- 200- 63- A
JR7LVK	8,640- 96- 45- B	180,722- 552- 109- A	EA1CYG	288- 12- 12- B	OK1AIR	21,364- 110- 49- A	
JA6AKV	6,720- 84- 40- B	UW7ACI	375,000- 1500- 119- B	EA5YU	198,172- 476- 103- C	OK1DXL	16,380- 115- 42- A
J16OWY	6,408- 89- 36- B	375,000- 1500- 119- B	EA2IA	189,200- 550- 86- C	OK1JFP	9,792- 86- 36- A	
JF2KUU	5,712- 84- 34- B	UL7LEG	75,000- 25- 15- B	EA5AR	92,560- 260- 89- C	OK2SWD	7,068- 55- 31- A
JA3FZI	3,900- 65- 30- B	UL8BBW (UL7s BB,BY,016-389,ops)	EA4AYX	65,680- 183- 90- C	OK2OAY/P	1,800- 59- 15- A	
JA4PA4	3,050- 61- 25- B	30,680- 146- 59- D	EA5BZM	62,764- 216- 71- C	OK3CFA	232,804- 962- 121- B	
JE6EHE	2,050- 41- 25- B	UM8MU	29,816- 200- 46- A	EA7DXR	405,166- 681- 173- A	OK1AJN	97,768- 484- 101- B
JG7LBN	1,472- 32- 23- B	UM8MIG	40,420- 430- 47- B	EA5CLO	6,840- 63- 34- C	OK1VAM	60,416- 512- 59- B
JO1MCC	672- 21- 16- B	VS6SG (KB7G,op)	EA5CLO	8,840- 63- 34- C	OK2BHM	9,900- 110- 45- B	
JR2IGV	18- 3- 3- B	441,000- 1125- 98- C	EA5CLO	1,361,822- 2065- 239- D	OK1ADS	478,192- 984- 121- C	
JE1ITTO	2- 1- 1- B	4X4VF	65,254- 413- 79- B	EA5CLO	149,040- 517- 92- D	OK3IF	134,016- 346- 96- C
JH6SOR	452,436- 1017- 111- C	9V1VB	49,200- 282- 50- A	EA5CLO	149,040- 517- 92- D	OK1TW	129,960- 338- 95- C
JA1CKA	367,632- 828- 111- C	9V1VB	5,184- 33- 28- B	EA5CLO	149,040- 517- 92- D	OK3GB	75,392- 244- 76- C
JA0DAI	326,128- 746- 109- C	CT1DKG (W7LPf,op)	EA5CLO	149,040- 517- 92- D	OK3YCA	66,792- 248- 66- C	
JA1KFX	292,032- 702- 104- C	CT1DKG (W7LPf,op)	EA5CLO	149,040- 517- 92- D	OK3BA	19,008- 99- 48- C	
JR7OMD/2	150,400- 400- 94- C	CQ2BBJ (CT1BBJ,op)	EA7AAW	5,040- 45- 28- C	OK2ABU	17,544- 100- 43- C	
JA2EU	132,784- 383- 86- C	51,976- 292- 88- B	EA4BV	3,472- 57- 28- C	OK1MIN	15,520- 96- 40- C	
JM1LRQ	131,008- 356- 92- C	CT1QF					

OK1KCF (+ops)	2,070-	32-	13-D	Y57ZL	53,040-	200-	85-A	South America	NC1M (K1FFX,KAs1 MEN.PHA.ops)	30,618- 189- 81-B
ON5WL	13,908-	131-	38-A	Y56WG	12,814-	80-	43-A	CE3BFZ	485,078- 933- 187-A	N2HMM 26,640- 180- 74-B
ON4KST	238,360-	1010-	118-B	Y21DG/A	7,896-	84-	47-A	CE3NR	241,758- 999- 121-B	WB2JTE 11,564- 118- 49-B
ON4AMX	145,036-	718-	101-B	Y66ZF	4,312-	49-	28-A	HC1OT	625,820- 2158- 145-B	KZ2S 718,812- 1449- 123-C
ON4ALL	95,824-	424-	113-B	Y22EK	172,020-	705-	122-B	HC1KO	144,402- 587- 123-B	K2TW 656,384- 1282- 128-C
ON4AWK	71,280-	396-	90-B	Y26DO	73,352-	346-	106-B	HC2G (HC2s CG,DZ,FU,RG,SL,ops)	2,446,630- 3150- 279-D	N2EOC (N2CE1,WB2ONH,ops) 677,600- 1371- 200-D
ON8WN	11,264-	128-	44-B	Y43XE	47,200-	295-	80-B			
OZ6PI	6,540-	75-	35-A	Y26XO	15,750-	105-	75-B	LU2FYU	211,106- 887- 119-B	N2V 30,618- 189- 81-B
OZ5EV	204,180-	830-	123-B	Y24MB	3,192-	57-	28-B	LU8FDZ	98,072- 533- 92-B	N2HMM 26,640- 180- 74-B
OZ1DPW	137,280-	624-	110-B	Y22BF	1,680-	35-	24-B	LU1HE	81,804- 401- 102-B	WB2JTE 11,564- 118- 49-B
OZ1ASP	18,666-	153-	61-B	Y24N/A	1,000-	25-	20-B	LP2U	1,752,072- 2552- 254-D	KZ2S 718,812- 1449- 123-C
OZ8T	3,220-	46-	35-B	Y22UB	75,168-	213-	87-C	LU8JTC	97,040- 416- 95-B	K2TW 656,384- 1282- 128-C
OZ2BM	3,042-	39-	39-B	Y23CM	22,440-	99-	55-C	LU6U (LU6UO,ops)		N2EOC (N2CE1,WB2ONH,ops) 677,600- 1371- 200-D
OZ4FNX	2,900-	50-	29-B	Y23YE	18,800-	100-	47-C	AZ4F (LU2FFD,op)		
OZ3FS	540-	18-	15-B	Y08KOS	33,744-	166-	57-A	LU1EWL	140,080- 404- 85-C	N2V 30,618- 189- 81-B
OZ4UN	53,312-	195-	68-C	Y07BGA	28,866-	160-	51-A	LP2U	1,752,092- 2552- 254-D	N2HMM 26,640- 180- 74-B
OZ3PE	40,832-	175-	56-C	Y02ARV	9,680-	93-	40-A	LU1V (LU2YE,LU1V,LU1VM,		WB2JTE 11,564- 118- 49-B
OZ3ZW	38,720-	176-	55-C	Y06BZL	29,640-	247-	60-B	LU1V,ops)		KZ2S 718,812- 1449- 123-C
OZ8E	15,936-	81-	48-C	Y03DCO	19,404-	154-	63-B	LU7D (LU3EGT,LU5UD,LU6s DH,		K2TW 656,384- 1282- 128-C
PA2REH	17,300-	88-	50-A	Y08AII	13,158-	129-	51-B	DTs,LU7s DDC,DI,LU8s		N2EOC (N2CE1,WB2ONH,ops) 677,600- 1371- 200-D
PA9IA	16,644-	145-	57-A	Y02BP	54,528-	201-	71-C	EGO,EYE,Lu8s DVV,DXM,EUS,		
PA3ERL	14,344-	91-	44-A	Y03AC	26,880-	120-	56-C	LW1EMY,ops)		
PA3EOB	4,200-	60-	25-A	Y05BO	21,896-	115-	46-C			
PA3EPN	272,796-	1074-	127-B	Y08BOI	18,020-	85-	53-C			
PA8DU	29,014-	163-	89-B	Y08KZD (Y08e QCC,CDP,EB,ops)	213,696-	732-	96-D			
PA3ELU	20,864-	111-	94-B	YU2W (Y12FI,op)						
PA8DJ	10,672-	116-	46-B	YU2W (Y12FI,op)	687,888-	1101-	204-A			
PA3ELS	8,052-	66-	61-B	YU7GW	220,704-	644-	114-A			
PA3EWP	4,032-	56-	36-B	YU2QO	215,930-	441-	143-A			
PA3XC	348,096-	777-	111-C	YZ1Z	128,064-	537-	87-A			
PA8INA	94,688-	265-	88-C	YZ3SB	38,940-	329-	59-A			
PA3BTH	21,420-	105-	51-C	YZ1E (YU1EXY,op)	330,000-	1375-	120-B			
PA3AFF	20,424-	110-	46-C	YU3EF	88,920-	468-	95-B			
PA3BNT	19,552-	104-	47-C	YU7RU	2,550-	51-	25-B			
PA3BBP	11,856-	76-	39-C	YU3GO	663,840-	1381-	120-C			
PA8PLN	11,088-	97-	28-C	YT21K	417,928-	868-	119-C			
PA3CAL	3,344-	38-	22-C	YT2D (YT2SD,op)	365,040-	770-	117-C			
PA3CNI	1,428-	21-	17-C	YU3BU	316,004-	767-	103-C			
PA14HT (PA2AU1PA3s AZT,ESO,	259,812-	1483-	182-D	YU7SF	220,704-	644-	114-A			
PA8WED	426,284-	1501-	142-D	YU7TS	172,608-	459-	93-C			
PA3DWD (+ PA8COR)	270,936-	1160-	106-D	YU7U	33,948-	201-	41-C			
SK6PC	672,078-	1151-	187-A	YU7UL	30,000-	124-	60-C			
SM5DAC	27,324-	198-	69-A	YU7WM	25,272-	117-	54-C			
SM5ACK	2,650-	51-	25-A	YU3HR (+ YU3BOI)	19,652-	99-	37-C			
SM6BSK	57,672-	267-	108-B	YU3BU	316,004-	767-	103-C			
SM7TAO	49,808-	263-	88-B	YU7SF	172,608-	459-	93-C			
SM5SPS	9,900-	110-	45-B	YU3CA	33,948-	201-	41-C			
SM4BT	9,282-	91-	51-B	YU3GO	663,840-	1381-	120-C			
SM5GA	3,534-	57-	31-B	YT2AA	417,928-	868-	119-C			
SM5EMR	2,480-	40-	31-B	YT2D (YT2SD,op)	365,040-	770-	117-C			
SM6RCE	1,920-	40-	24-B	YU3BU	316,004-	767-	103-C			
SM6LIF	1,150-	25-	23-B	YU3EF	88,920-	468-	95-B			
SM6TW	107,360-	305-	88-C	YU7TS	220,704-	644-	114-A			
SM3CER	45,360-	180-	63-C	YU2QO	215,930-	441-	143-A			
SM3RAB	45,156-	213-	53-C	YU3EF	88,920-	468-	95-B			
SM3DXC	34,368-	179-	48-C	YU7U	33,948-	201-	41-C			
SM6HVR	30,580-	139-	55-C	YU7WM	25,272-	117-	54-C			
SM4KL	25,272-	117-	54-C	YU1AC	156,612-	414-	93-C			
SM3SGP	24,780-	105-	59-C	KG4OM	35,154-	279-	63-B			
SM5PAK	17,424-	99-	44-C	KG4OM	35,154-	279-	63-B			
SM5RE	14,784-	109-	33-C	KP2N	103,304-	332-	74-C			
SM5RME	1,428-	37-	23-C	WP4GQB/N	678,960-	1262-	180-D			
SM8BDS	3,680-	37-	23-C	YU3MM	19,622-	2984-	265-D			
SK5DMS (SM5s API,LYM,PAS,PAV,PMR,ops)	78,850-	353-	95-D	OX3ZM	39,312-	234-	84-B			
SP5KVW	383,744-	995-	128-A	TG9GI	586,880-	2240-	131-B			
SP5NHM	60,916-	314-	97-B	YU3CA	339,552-	1296-	131-B			
SP9EMQ	38,048-	232-	82-B	YU3EF	81,696-	248-	88-A			
SP5FKW	18,354-	133-	69-B	YU3EF	81,696-	248-	88-A			
SP6AGD	10,302-	101-	51-B	YU3EF	81,696-	248-	88-A			
SP6DVP	6,364-	86-	37-B	YU3EF	81,696-	248-	88-A			
SP6OYY	1,972-	34-	29-B	KA3BV	1,402,080-	2300-	230-D			
SP7II/T/A	7,600-	49-	38-C	KA3BV	1,402,080-	2300-	230-D			
SP5JTR	2,640-	33-	20-C	XE1XIV	273,924-	885-	126-A			
SP1PBW (SP15s AMU,BZZ,ops)	45,790-	241-	95-D	XE2KHG	16,464-	168-	49-B			
SV8MC	4,824-	67-	36-B	XE1OC (XE1s THR,TSR,ops)	86,580-	481-	90-D			
SV9ADH	176,320-	577-	76-C	YU3OD	76,500-	450-	85-D			
TF3SD	11,808-	68-	41-C	ZF2AG (N8AG,ops)	28,380-	215-	66-B			
UA1OT	2,128-	28-	19-C	YU3OD	227,630-	1105-	103-B			
UA2FZ	90,472-	273-	86-A	Oceania						
RA3RN	16,470-	162-	27-A	4D9RG	227,552-	1094-	104-B			
UA6ADC	246,180-	1119-	110-B	FO5IW	80,850-	525-	77-A			
UA4NC	20,160-	210-	48-B	JH7EAY/JD1	32,214-	413-	39-B			
UA3DJY	118,560-	380-	78-C	YU3EF	1,402,080-	2300-	230-D			
UA3LAR	7,500-	71-	25-C	YU3EF	1,402,080-	2300-	230-D			
YU6HFK	1,768-	25-	17-C	YU3EF	1,402,080-	2300-	230-D			
UT4UZ	361,998-	1034-	119-A	YU3EF	1,402,080-	2300-	230-D			
UY5TE	111,544-	454-	73-A	KX6HE (N2PC,op)	128,160-	417-	89-A			
UB4TTL	20,080-	170-	54-A	KX6TY (KSSH,op)	202,852-	1079-	94-B			
RB5QW	7,722-	80-	27-A	KX6TY (KSSH,op)	202,852-	1079-	94-B			
UB5WDD	5,900-	59-	25-C	VK1RJ	215,424-	1056-	102-B			
UB4WZA (UB5s WBY,WCX,WGR,ops)	772,212-	1516-	128-D	VK2KL	70,550-	425-	83-B			
UC2CWO	1,848-	42-	22-B	VK2KL	38,688-	312-	62-B			
UC2ADX	20,020-	138-	35-C	VK5WY	13,420-	110-	61-B			
RO4OA	258,332-	550-	131-A	AX4XA	313,944-	762-	103-C			
RO4OZ	58,520-	266-	55-C	VK8AV	305,340-	720-	105-C			
UP2BZ	123,496-	357-	86-C	VK4TT	281,248-	748-	94-C			
UP2FF	18,560-	116-	40-C	VK2APK	193,488-	556-	87-C			
UP1BYL (UP0BA,UP2s-038-1162,038-2527,ops)	99,360-	401-	80-D	VK2APK (+ VK2XJX)	51,380-	366-	70-D			
UQ2GMB	5,544-	60-	22-C	VK4XW	6,048-	84-	18-C			
UQ1GXT (2 ops)	435,960-	815-	180-D	VK2MAG	51,380-	366-	70-D			
UR2RHF	350,208-	768-	114-C	YB3ASQ	176,640-	620-	120-A			
Y48YN	87,360-	240-	96-A	YB2CR	68,586-	497-	69-B			
Y22WF	76,206-	433-	88-A	YB2CR (PA8LOU,op)	97,308-	477-	51-C			
			YB2FEA	53,460-	243-	55-C				
			ZL1ANJ	616,176-	2334-	132-B				
				1,170,624-	1807-	224-D				
				W1XS (+ K1ZZJ,K1A1PES,K1BAKA,						
				K1C1s, JN1s DZJ,FLO,NQ1F,						
				K2TGX,KD2SX)						
				1,021,724- 1660-	242-	D				
				W1FJ	20,000-	100-	50-C			
				K1JU1	19,404-	99-	49-C			
				KB1VL	8,760-	72-	30-C			
				KX1G (+ AB1X,KG1V)	1,170,624-	1807-	224-D			
				W1XS (+ K1ZZJ,K1A1PES,K1BAKA,						
				K1C1s, JN1s DZJ,FLO,NQ1F,						
				K2TGX,KD2SX)						



Angela, (age 12), N7KAR, Brian (age 8), N7LJV, and Joshua (age 12), N7KAN, operating WO7F from sunny Arizona.



The multiop crew of HC2G turned in a fine effort to win first-place DX.



Carl, P40V, relaxing after winning first-place DX mixed-mode from Aruba.

WB2BZ/T	36,980- 215- 86-B
KA3TII/T	29,088- 202- 72-B
KA3TM/T	27,548- 194- 71-B
KD3IQ	27,324- 198- 69-B
W3PWQ	23,166- 117- 99-B
NS3T	10,070- 95- 53-B
KA3CXG	6,624- 72- 46-B
KA3GER	1,656- 46- 18-B
KA3TUE	1,260- 36- 21-B
W3USS (AA4U,op)	577,412- 1187- 121-C
W5GG	339,680- 771- 110-C
W3FX	102,172- 286- 89-C
KB3HH	25,300- 115- 55-C
WB3CDX/T	720- 14- 12-C
K3YUQ (+ NET)	710,424- 1031- 198-D
W3GG (+ N3CQB)	394,956- 887- 159-D
K3AA, (K3ZN,V,K3As PMX, QDJ, KX3U, KZ3F, N3s FUL, TE, N3Q, CB)	530,200- 750- 179-D
K3IVO (K3YD3, N3Q, KA4RHS, WB6VGI, ops)	345,828- 750- 179-D
K3IVO (K3YD3 CM,LVO,WB3CXR,ops)	235,744- 779- 139-D

Western Pennsylvania

K5ZD/Z	209,752- 437- 167-A
W3KH	122,292- 443- 129-A
K3LVO	6,720- 62- 30-A
WA3INX	5,624- 64- 38-A
NSGLKT	3,168- 55- 22-A
W3DKL	21,280- 152- 70-B
WA3GQU	4,752- 72- 33-B
K3UA	445,068- 951- 117-C
K3MD	98,400- 328- 75-C
KA3MM	71,808- 264- 66-C
W3YA (K3s CM,LVO,WB3CXR,ops)	10,712- 103- 52-D

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Alabama

K4NNQ	52,680- 239- 70-A
W2AF	49,096- 320- 76-A
N4SFR	5,880- 82- 35-A
A4ALE	116,480- 560- 104-B
KA7WP/D/T	73,528- 404- 91-B
KE4BM	64,484- 329- 98-B
A4UF	25,102- 183- 77-B
WB4OEE	25,080- 209- 60-B
KB4CVN	1,872- 36- 26-B
N4JF	147,680- 351- 104-C
WA4QBX	113,344- 301- 92-C
KD4TT (+ KK4TE)	306,880- 1188- 130-D

Georgia

K4JP/D (KM9P,op)	1,571,094- 2167- 259-A
K4SB	1,055,106- 1421- 243-A
KA4BAI	178,944- 384- 128-A
AB4LX	13,936- 80- 52-A
KX4R	476,652- 1518- 157-B
N4REE	33,440- 209- 80-B
KC4DOO	6,336- 96- 33-B
KN4B	283,600- 709- 100-C
N8LM	55,008- 191- 72-C
N4UZ	24,072- 117- 51-C

Kentucky

WA4CMQ	281,936- 1052- 134-B
KB4SQG	80,080- 385- 104-B
KB4ZAX	45,288- 306- 74-B
KI4QJ	23,954- 203- 59-B
KB4YJG	17,160- 130- 66-B
N4OHW	1,820- 35- 26-B
N4AR	729,000- 1456- 125-C
N4TBJ (+ KU8E,NA4DR,NV4H,WM4T)	1,032,384- 1512- 228-D
K4CO (N1ZA,AF4Y,KK4DO,N4GNL, NG4M,ops)	184,392- 495- 156-D
WD4CRG (+ N4DT)	140,812- 658- 107-D

North Carolina

WD4OHD	70,720- 243- 104-A
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KF4HK	152,830- 527- 145-B
AB4LR	85,440- 445- 96-B
KC4FGG	49,136- 332- 74-B
W1JAT	21,016- 142- 74-B
WA9WAU	7,830- 87- 45-B
KC4GCK	6,790- 97- 35-B
K4PQL	464,640- 959- 121-C
N4MO	351,440- 764- 115-C
NA4QVM	13,448- 75- 41-C
NA4EQ	11,988- 77- 37-C
W4UW	6,032- 52- 29-C
AA4NC (+ AA4VK,KC4IA,NA4SF)	1,288,488- 2022- 222-D
K5CTG (+ KA4JEX,KB4IL,WD4HMA)	792,084- 1578- 221-D
KB4QLZ (KB4FWN,KC4HWW,ops)	112,050- 875- 83-D
WB4FTI (+ KB4NFV,KC4GRU)	81,988- 398- 103-D
K4EG (KA4OVZ,KB4BS KNQ,TDF, N4RMY,WB4SGA,ops)	66,240- 265- 92-D

Northern Florida

W4WKQ	259,720- 641- 151-A
K4XS	797,034- 2711- 147-B
N4MAD	48,616- 236- 103-B
W4NV	44,892- 261- 86-B
WA4VIV	41,934- 241- 87-B
W4NN (KA1GMN,op)	36,720- 255- 72-B
N4PSD/T	21,696- 226- 48-B
KD4FG	19,500- 150- 65-B
N4SQCT	6,320- 79- 40-B
AB4BZ	4,224- 64- 33-B
W2LRJ	2,150- 43- 25-B
WC4E	735,584- 1448- 127-C
KD1U	109,536- 319- 124-C
KC4CSD	64,988- 207- 77-C
WA4SSB	46,200- 172- 66-C
K4KRV	17,480- 95- 46-C
WT4A (+ KB4HF,KC4e GTR,GTW, KU4F,N4QEE,KC0O)	669,688- 1147- 206-D

South Carolina

NA4OWL	43,070- 272- 73-A
WF2G	15,812- 124- 59-A
N4RYO	5,148- 59- 33-A
WD4BHM	26,134- 179- 73-B
KA2CUFT	9,222- 87- 53-B
K4ATUT	7,462- 91- 41-B
N4SFYT (+ N4SEZ)	43,652- 178- 67-D

Southern Florida

WB4BBH	398,208- 721- 183-A
K1TN/4	373,384- 639- 179-A
K4GKD	57,720- 214- 78-A
N4ONQ/T	26,240- 111- 80-A
N4TXR/T	10,440- 127- 36-A
W3BUC	85,282- 479- 89-B
KC2KU	68,016- 327- 104-B
KD7GD	28,726- 271- 53-B
K1FJM4	25,740- 195- 66-B
KC4GFW/N	22,302- 177- 63-B
KR4U	15,544- 134- 58-B
WKA4F	11,130- 105- 53-B
N4BP	608,392- 1345- 113-C
K4MF	416,240- 937- 110-C
W4D4AHZ	340,400- 724- 115-C
W4WWW (+ AL7DL,K4ZF,K4ALBU, KD4S,KR4X)	550,800- 1455- 175-D
N4RFV	28,024- 226- 62-B
N4SFO	216- 12- 9-B
W4XJ	485,808- 1045- 116-C
K4LTA	450,684- 957- 117-C
N4IR	415,584- 933- 111-C
N4OHW	1,820- 35- 26-B
N4AR	729,000- 1456- 125-C
N4TBJ (+ KU8E,NA4DR,NV4H,WM4T)	1,032,384- 1512- 228-D
K4CO (N1ZA,AF4Y,KK4DO,N4GNL, NG4M,ops)	184,392- 495- 156-D
WD4CRG (+ N4DT)	140,812- 658- 107-D
KS2X (+ KA2PGW)	84,240- 540- 78-D

Virginia

WB8HDD	397,212- 1122- 158-A
W1WTG	57,856- 208- 113-A
WA4YBV	289,674- 1089- 133-B
W4TMN	81,106- 379- 107-B

Arkansas

K5DAN	158,976- 571- 108-A
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Oklahoma

W5EV	161,920- 459- 88-C
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Mississippi

K5HKX	136,080- 378- 90-C
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Louisiana

W5KU	86,760- 237- 90-C
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Mississippi

W5SSD	80,600- 310- 65-C
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Louisiana

W5MUG	18,600- 155- 60-B
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Mississippi

W5VWH	13,420- 122- 55-B
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Mississippi

W5WU	59,496- 219- 67-C
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Mississippi

W5WVH	1,750- 227- 189-D
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Mississippi

W5WVH	329,896- 619- 172-D
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Mississippi

W5WVH	32,120- 618- 95-C
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Mississippi

W5WVH	31,220- 618- 95-C
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Mississippi

W5WVH	541,100- 1019- 175-D
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Mississippi

W5WVH	86,976- 423- 96-D
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Mississippi

W5WVH	475,890- 1593- 145-A
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Mississippi

W5WVH	375,688- 763- 151-A
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Mississippi

W5WVH	104,324- 332- 126-A
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Mississippi

W5WVH	62,020- 267- 70-A
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Mississippi

W5WVH	284,460- 1293- 110-B
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Mississippi

W5WVH	258,468- 1267- 102-B
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Mississippi

W5WVH	10,152- 108- 47-B
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Mississippi

W5WVH	8,224- 52- 31-B
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Mississippi

W5WVH	1,124,220- 818- 95-C
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Mississippi

W5WVH	1,078,480- 1893- 221-D
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Mississippi

W5WVH	16,500- 138- 50-D
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Mississippi

W5WVH	36,646- 186- 73-D
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Mississippi

W5WVH	475,890- 1593- 145-A
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