

2003 IARU HF World Championship Results

*Oh, conditions outside are frightful
And the rate is not delightful.
But despite the aurora's glow,
QSO, QSO, QSO!*

That little ditty, contributed by Ward, NØAX, and sung to the Christmas tune *Let It Snow*, summed up this year's IARU HF World Championship. Actually, Saturday was the problem day, with propagation pretty much returning to normal on Sunday. There's a short summary of propagation at the end of this article, with a plot on the Web version of the predicted response of the F region showing why Saturday wasn't too good.

The IARU Contest

There's no doubt that the IARU contest is a fun event. PAØMIR echoes this statement with "Always fun to participate in the IARU test. This year I even planned my holiday to start just a day after the contest, so really in a hurry to prepare the log." HA5X chimes in, "It was great fun! I used a new call sign and a brand new radio from my brand new apartment."

Another aspect of the IARU test is it's a great way to get back into contesting if you've been away for a while. For example, NR9A comments "After being off the air since 1997, it was great to be back in the contesting mode, even though it was a casual effort."

One more thing about IARU—it reminds everyone that the fall contest season is rapidly approaching.

Contest Summary

The number of logs received for this year's contest was up about 9% from last year. The largest increases in participation came from Poland (113 logs last year, 241 logs this year) and European Russia (87 logs last year, 116 logs this year).

This year 51 ITU zones (out of 90 total) sent in logs. That's one more zone than last year.

By continent, Europe led the pack with 1058 logs. By zone, zone 28 sent in the most logs—648. And by country

Expanded Results, Line-Score Printouts Available

For complete contest results online, please visit www.arrl.org/contests/results. ARRL members without Internet access may obtain a printout of the complete line scores by sending a self-addressed, stamped envelope to ARRL Contest Results, 225 Main St, Newington, CT 06111. Please be sure to include the contest name and year.

(more properly *entity*), US stations submitted 394 logs. See the accompanying tables for a more detailed breakdown of these three categories.

Close Competitions

This year's results are broken out into World, Europe, North America W/VE, North America non-W/VE, Asia, South America, Oceania, and Africa by the four categories: Single Op Mixed, Single Op Phone, Single Op CW and Multiop.

Table 1

Top Scores

World	
Single Op Mixed	
IH9/OL5Y	3,504,774
5B4AGM (RW3QC, op)	3,404,544
3V8BB (YT1AD, op)	3,394,912
EA8/OH4NL (OH2BYS, op)	3,315,312
RK4FF	2,783,048
Single Op Phone	
FY5FY	2,792,467
ZX5J (PP5JR, op)	2,663,117
ZX2B (PY2MNL, op)	1,761,218
EA5DFV	1,680,200
S57UN	1,228,016

Single Op CW	
PYØFF (YU1RL, op)	3,290,760
YT6A	2,511,486
TA2ZF	2,430,492
S58A	2,131,800
OH2BH (OH2UA, op)	2,038,462

Multiop	
P3A	7,008,176
HG6N	3,574,831
HG1S	2,928,508
RT9W	2,650,673
RM6A	2,561,280

Europe	
Single Op Mixed	
OL5Y	3,504,774
RK4FF	2,783,048
OR3T (RA3AUU, op)	2,505,594
UT5UGR	2,481,210
LY2FY	2,203,032

Single Op Phone	
EA5DFV	1,680,200
S57UN	1,228,016
IO3P (IZ3EYZ, op)	1,170,350
LA9DFA	968,792
RN4LP	854,382

Single Op CW	
YT6A	2,511,486
S58A	2,131,800
OH2BH (OH2UA, op)	2,038,462

LY7Z (LY2TA, op)	1,709,392
HA8DU	1,628,206
Multiop	
HG6N	3,574,831
HG1S	2,928,508
RM6A	2,561,280
RL3A	2,166,570
OE2S	1,950,480

W/VE	
Single Op Mixed	
VE3EJ	1,427,280
K4ZW	1,344,108
K3ZO	1,301,740
CK3AT	1,174,547
N1UR	945,567

Single Op Phone	
K5TR	959,700
W7WA	702,548
VE1JY	630,736
(K6HNZ, op)	
W5KFT	562,746
(WM5R, op)	
N3HBX	534,280

Single Op CW	
W1WEF	1,312,170
K5GN	1,183,930
WC1M	974,592
K4VX (AG9A, op)	960,375
AA3B	917,800

Multiop	
K4JA	1,287,516
NØNI	978,267
K5KG	869,302
NA5S	852,432
W2AX	732,600

North America non-W/VE	
Single Op Mixed	
ZF2AH	354,203

Single Op Phone	
6Y4Y	58,432
T12KAC	21,358
HP3XBS	15,312

Single Op CW	
VP9/K1YR	371,070
XE2AC	84,750

Multiop	
TG9ADV	44,775

Asia	
Single Op Mixed	
5B4AGM (RW3QC, op)	3,404,544
RG9A (UA9AM, op)	2,277,633
UA9ZZ	1,446,564
UA9CLB	1,404,271
RMØA (UAØANW, op)	1,337,777

Single Op Phone	
JA6GCE	637,777
JE2HCJ	553,700
RAØAM	552,906
JM1LPN	532,167
YMØT (TA2RC, op)	512,732

Single Op CW	
TA2ZF	2,430,492
UP4L (UN7LZ, op)	1,203,018
RW9TA	1,158,840
UA9YAB	1,119,807
TA3DD	874,692

Multiop	
P3A	7,008,176
RT9W	2,650,673
RF9C	2,144,645
RKØAXX	1,189,377
JH4UTP	513,825

South America	
Single Op Mixed	
PY2NY	1,156,064
LU5FF	234,728
PY2OMS (PY5EG, op)	192,072
PY1NB	183,134
PY8AZT	119,070

Single Op Phone	
FY5FY	2,792,467
ZX5J (PP5JR, op)	2,663,117
ZX2B (PY2MNL, op)	1,761,218
ZW5B (PT2FM, op)	1,073,518
AY8A (LU8ADX, op)	653,744

Single Op CW	
PYØFF (YU1RL, op)	3,290,760
LU7EE	612,612

LU1EWL	522,879
PY2EMC	493,584
PY2NDX	412,104

Multiop	
LT1F	2,112,750
LVØN	1,321,173
LR7A	1,238,952
LO7H	1,097,980
PQ2Q	974,482

Oceania	
Single Op Mixed	
VK7GN	15,444
YBØWWW	13,464
DU1EV	6,486

Single Op Phone	
DU9RG	436,020
DU1UTD	108,071
VK4DMP	44,138

Single Op CW	
VK1AA	1,047,654
KH6RS	560,772
(NU6S, op)	
VI8NT	253,456
ZL1AIH	94,080

Multiop	
KH7X	1,905,930
KH6WWW	258,762
KHØNX	209,628

Africa	
Single Op Mixed	
IH9/OL5Y	3,504,774
3V8BB	3,394,912
EA8/OH4NL (OH2BYS, op)	3,315,312
ZS4TX	2,125,893
CT3KN	61,659

Single Op Phone	
5U7JB	938,994
CT3FQ	178,267
8Q7LC (VK6LC, op)	123,938

Single Op CW	
SU9US	560,367
ZS1EL	50,297
CN8YR	20,384

Multiop	
ZSØM	542,260
ZS5NK	282,982



A group of tired, weary, warriors... Under normal circumstances they masquerade as K3LR. In this year's IARU HF Championship they morphed themselves into W1AW/3. Seated: K8NZ, N3GJ, K3UA, K8AZ, K8MR. Standing: K3LR, N3RA, W9ZRX, W9RE, N9RV.

Table 2

Logs Received by Continent

EU	1058
NA	442
AS	242
SA	79
OC	22
AF	19
AN	1

Table 3

Logs Received by Country (Top 5)

US	394
Poland	241
Germany	143
Japan	117
European Russia	116

Table 4

Logs Received by Zone (Top 5)

Zone 28	648
Zone 29	224
Zone 8	219
Zone 45	117
Zone 27	103

Table 5

IARU Officials

G3BJ	1,553,930
K1ZZ	1,222,604
PT2ADM	425,964
PA7BT	150,629
9V1UV	29,205
LA2RR	25,665
VK3ADW	14,760
LZ1US	3,375

Table 6

Headquarters Stations

Call	Score	Call	Score
DA0HQ	16,507,800	SK9HQ	3,892,030
GB5HQ	15,705,914	PJ2HQ	3,650,725
TM0HQ	15,394,425	CT1REP	2,448,459
R7HQ	14,629,338	B4HQ	2,302,128
SN0HQ	14,483,480	LZ0HQ	2,184,028
EM5HQ	13,425,363	OZ1HQ	2,019,580
9A0HQ	13,085,082	ZA1A	1,922,032
IUXHQ	11,905,850	4L0HQ	1,405,170
YT0HQ	11,662,121	EI0HQ	1,100,284
S50HQ	11,311,048	YM0KA	1,024,200
OL3HQ	11,254,590	HB9A	904,720
OH2HQ	10,880,332	YE0HQ	821,289
PA6HQ	10,689,448	VA3RAC	717,576
YL4HQ	10,625,768	4X4ARC	675,750
LY0HQ	9,721,125	CX1AA	655,020
YR0HW	9,081,457	YV5AJ	606,152
ES9A	7,950,063	P40HQ	368,198
W1AW/3	7,778,210	HS0AC	341,582
T90HQ	7,420,350	ZL6A	302,562
HG0HQ	7,143,168	LN2HQ	268,332
OE5XHQ	6,990,208	EW5HQ	189,290
JY6ZZ	6,229,730	AT0HQ	61,857
NU1AW	4,954,896	ZS6SRL	12,636
ER7HQ	4,784,976	HR2RCH	2,354
8N4JHQ	4,368,462	ZW2HQ	1,080

There were several tight races in this year's event.

The closest race was between IH9/OL5Y, 5B4AGM (RW3QC, op) and 3V8BB, in the World Single Op Mixed category. OL5Y took the winner's honors from 5B4AGM by only 2.9%. YT1AD operating 3V8BB was only 0.3% out of second place!

The next closest race was between FY5FY and ZX5J (PP5JR, op) in the South America Single Op Phone category. FY5FY ended up on top by 4.8%. These two stations also placed first and second



Dave, BA4RF, busily operating the B4HQ Headquarters station.



Gianni, IT9ORA, relaxes at his station after the contest.

in the World Single Op Phone category.

The closest race in North America was between VE3EJ and K4ZW in the W/VE Single Op Mixed category. VE3EJ took first place from K4ZW by 6.2%, with K3ZO not too far behind in third place.

This year's contest also had a couple repeat winners. The multi-op team at P3A repeated in the World Multi-Op and Asia Multi-Op categories. Their score this year was up 40% from last year. And the HG6N team repeated in the Europe Multi-Op category. Good show, guys!

IARU Officials

A big "thanks" to all the IARU officials who participated in this year's event. G3BJ came out on top, followed by K1ZZ and PT2ADM. See Table 5 for all the IARU Officials.

HQ Stations

As expected, the battle between the

Headquarters Stations was intense. The DA0HQ team ended up on top by a nice margin. Second place went to the GB5HQ team, with TM0HQ holding down third place. See Table 6 for the scores from these true multi-multis.

WRTC-Style Operating

A new twist to this year's contest was the addition of WRTC-style team competition. This idea came directly from WRTC 2002 in Finland, and it attracted 18 teams—8 from Europe, 1 from South America, and 9 from North America. I suspect that next year's contest will add even more WRTC-style teams to the competition. See N0AX's story about this aspect of this year's contest on the Web version of this article.

Other Stories on the Web

For interesting narratives of IARU operations, please go to the Web version of this article. There you'll find links to the W1AW/3 effort (told by K3LR), the GB5HQ effort (told by G4BUO), the four WRTC-style Slovenia/Croatia entries (told by 9A6XX), the SN0HQ effort (told by SP5UAF), the N3BB effort (told by N3BB and K5PI), the W5KFT effort (told by WM5R), and the B4HQ effort (told by BD5RV).

Propagation

I was a bit disappointed in band conditions during the first 12 hours of the contest but things did manage to pick up during the last half.—K6WC

When I started to work the contest on Saturday around 9AM PST, I wasn't sure if the propagation conditions were bad or if I had just done a bad job fixing the R7!—KG6RJ

Poor start on Saturday, but conditions improved during the contest.—DH5ST

We didn't even hear a European for the first six hours of the contest.—N0AX

With Cycle 23 in its decline, the smoothed sunspot number was around 60 for this year's contest. That's a far cry from the peak of 121 in April 2000 (which was followed by a great second peak of 116 in November 2001). This level of solar activity took its toll on the higher bands, with 10 meters suffering the most.

And if a low number of sunspots keeping the higher bands marginal wasn't enough, a coronal hole high-speed stream began on July 11 (the day before the contest). This drove the planetary Ap index to 46, and caused a reduction in the F region ionization at all latitudes on the first day of the contest. Fortunately, the F region recovered on the second day.

The predicted response of the F region

to this high-speed stream is shown in the plot in the Web version of this article. The plot comes from the SEC (Space Environment Center) STORM model. The data is in the format of a scaling factor that is to be applied to the quiet time F region critical frequency for F2. For more information about the STORM model, see sec.noaa.gov/storm.

Decline in W/VE Top Scores

Among US and Canadians, scores as a whole tended to be lower in 2003 compared to 2002. VE3EJ's Mixed Mode score of 1.4 megs, while good enough to take top honors in 2003 would have only placed eighth last year, while K5TR's Phone Only winning score of 959k would only have placed sixth in 2002. In CW only, W1WEF's 1.3 Megs would not have cracked last year's Top Ten. The KH7X 1.9 Meg Multioperator score was the only winning W/VE score that would have also taken the category in 2002. Don't get us wrong—winning any category in the contest is tough. It just goes to show how much difference in propagation and conditions a year can make.

John, VE3EJ held off a tough challenge from runner-up Ken, K4ZW, in the Single Operator Mixed Mode category. Fred, K3ZO, and Ron, CK3AT, were the only other W/VE entries to top the 1 million point barrier in 2003. Top Ten scores in the category were posted from the ON, VA, MDC, WMA, IL, SCV, OH and ORG sections.

In the Single Operator Phone Only category there was George, K5TR, then there were the rest of the operators, as George managed to post the largest margin of victory among W/VE stations in his category. Dan, W7WA put up a valiant challenge to hold onto second place while Ken, K6HNZ, operated from VE1JX and placed third. The sections of STX, WWA, MAR, MDC, SFL, NH, GA and WI appear in the category Top Ten.

Jack, W1WEF in CT, and David, K5GN in STX, dueled to a one-two finish in the Single Operator CW Only category. These were the only two stations to top the 1 megapoint barrier in 2003. Dick, WC1M, and Mark, AG9A operating from the K4VX station, finished less than 15,000 points apart to take the next two places. Ten different sections—CT, STX, NH, MO, EPA, TN, IN, ON, EB and WMA—are represented in this particular Top Ten.

While the top three Multioperator entries in 2003 would have made the Top Ten last year, the rest of the 2003 Top Ten box residents would have come up a bit short. The KH7X team in the PAC section continued to roll right along, post-

ing another great effort while winning among W/VE multioperator entries. K4JA placed second and N0NI followed up their 2002 win with a strong third place show. The category also featured 10 different sections—PAC, VA, IA, WCF, NM, VT, CT, IL, SFL and STX—among the Top Ten entries.

On the Other Hand...Worldwide Winners

While W/VE scores tended to decline, the top World scores did not. In fact 30 of the 40 Top Ten World scores in 2003 would have appeared in the 2002 boxes, including all 10 of the Single Operator Mixed Mode scores.

Martin, OL5Y, was the winning score among the Single Operator Mixed Mode entries in 2003. Jack, RW3QC, operating the 5B4AGM station was second, only 10,000 points ahead of Hrane, YT1AD, operating the 3V8BB station. Ten different DXCC entities appear in this category Top Ten. No W/VE stations appeared in this category's worldwide box.

South Americans led the way in the Single Operator Phone only category with Didier, FY5FY, heading the list. Next was a pair of Brazilians—Sergio, PP5JY, using ZX5J, and Wanderly, PY2MNL, using ZX2B. Eight DXCC countries are represented in this category Top Ten, with George, K5TR, being the only W/VE station to make the worldwide category box.

Sasa, YU1RL, ventured down to PY0FF and brought home top honors in the Single Operator CW only worldwide box score. Ranko, YT6A, finished a strong second about 80,000 points ahead of Sergiy, TA2ZF. You will find 10 different DXCC entities among this Top Ten, with Jack, W1WEF, representing the W/VE stations.

Seven DXCC countries are found among the Top Ten Multioperator category scores. Cyprus again was a hot spot of operations, as the P3A station showed location and skill can be a powerful combination. A pair of Hungarian multis—HG6N and HG1S—took second and third. The KH7X multi was the only W/VE Top Ten in the category, with no mainland multi being able to crack the box.

2004 Contest

The 2004 IARU HF World Championship will be held the weekend of July 10-11. The announcement will be published in the April 2004 issue of *QST* (and the full rules will be found on-line at www.iaru.org/contest.html). Hope to see you in the 2004 event!

QST

[illegible]

W2					K4AAA (K4BAI, KU8E, ops)					W8					Puerto Rico				
Eastern New York					427,518 1013 162 D					Michigan					WP4EDD 62,084 299 68 B				
KC2DTJ	29,463	165	61	B	WW4LL (+W4BD, W4XXV, K1DW, K4ZJ, ops)					K8GT	98,095	343	115	A	WP3GW 5,270 49 34 B				
NYC-Long Island					301,158 1018 117 D										Guatemala				
KS2G	15,096	111	51	B	North Carolina					KC8LTL 115 13 5 A					TG9ADV (+TG9AJR, TG9AXF)				
KZ2G	13,583	91	47	B	NR3X	212,205	614	129	A	KE9R 105 9 5 B					44,775 227 75 D				
K2RED	12,636	104	39	B	N4UH	257,796	663	124	B	K8GL 254,310 554 147 C					Costa Rica				
N2GC	101,890	329	115	C	W4KAZ	18,300	114	61	B	K8IR 231,477 668 131 C					TI2KAC 21,358 118 59 B				
Northern New Jersey					NX9T	10,320	73	48	B	W8MJ 136,800 571 95 C					Bermuda				
W2OO	129,519	354	123	A	AG4QE	4,264	63	26	B	KB8PGW 9,922 103 41 C					VP9/K1YR				
W1GD	20,560	104	80	A	N2USB	3,696	45	28	B	K8KHZ 3,892 53 28 D					371,070 934 126 C				
K2YSY	3,915	43	29	A	N4CW	388,466	862	134	C	Ohio					Cayman Islands				
W2LRO	2,175	33	25	A	K4SV	112,133	504	83	C	N9AG	423,640	818	170	A	ZF2AH 354,203 909 127 A				
WA2BKN	6,448	47	31	B	WJ9B	38,692	274	68	C	NC8W	80,640	280	105	B	Zone 12				
KC2JRL	1,806	43	14	B	AE4EC	686	32	14	C	W8KNO	47,376	199	84	B	French Guiana				
KC2GGA	994	22	14	B	N4NTO (+K14BFG)	1,116	36	18	D	KC8VPA	1,680	30	16	B	FY5FY 2,792,467 2518 241 B				
WB2AA	105,152	304	124	C	Northern Florida					WD8LQB 780 21 10 B					Colombia				
W2CVW	53,485	207	95	C	K4JAF	46,354	183	86	B	N8BJQ	436,632	917	168	C	HK3JJH 383,873 1330 61 B				
NO2R (+ W2GD)	456,560	695	208	D	N4CSRW	9,174	84	33	B	N8PW	290,812	848	116	C	HK3AXY 73,920 241 80 B				
Northern New York					K1UM	59,502	271	94	C	KE8RO	79,831	308	97	C	HK4QHD 45,362 167 74 B				
NS2P	46,320	200	80	B	W4YA	26,860	142	68	C	W8GOC	48,320	223	80	C	Brazil				
N2JNZ	9,509	112	37	C	W1MO	1,771	37	23	C	W8TAH	221,783	641	131	D	PV8IG 24,780 132 60 A				
Southern New Jersey					South Carolina					West Virginia					PY4OY 349,778 611 143 B				
W2RDS	94,657	299	103	B	W4GFA	8,398	97	38	C	K3JT	171,348	496	109	C	PY4ZN 111,580 433 70 B				
KC2KGZ	3,838	98	19	B	Southern Florida					K8JQ 90,869 401 89 C					Venezuela				
WA2IAU	38,766	190	78	C	K4PB	182,078	468	149	A	W9					YV6BTF 1,634 29 19 B				
WA2VQV	34,160	182	56	C	AG4MQ	27,600	182	60	A	Illinois					4M5X (AD6TF, op)				
K2UR	19,560	128	60	C	W4SVO	527,634	1124	162	B	K9ZO	347,625	1042	135	A	387,520 780 112 C				
AD3Y	4,921	47	37	C	NJ2F	97,308	349	108	B	N9LYE	22,828	200	52	A	YV7QP 94,276 253 98 C				
K2MK	408	22	12	C	N1XC	3,348	57	31	B	W9LYA	17,865	189	45	A	Zone 13				
Western New York					K4ADR	1,876	37	28	B	K9BIG	5,728	65	32	A	Brazil				
W2FUI	39,528	210	72	A	K4RFX	352	16	11	B	N2BJ	97,680	481	88	B	PY8AZT 119,070 318 105 A				
K2NV	36,450	162	81	A	KG4LXG	33	4	3	B	K9UQN	65,120	308	80	C	PT2ND 73,083 322 51 B				
KM2L	10,545	115	37	A	K4FK (K9AW, op)	161,856	348	144	C	K9QVB	56,720	296	80	C	PY7VI 10,104 103 24 B				
N2LQQ	3,500	59	25	B	AD4Z	122,227	347	133	C	W9OA	37,696	232	64	C	PT7CB 8,385 65 43 B				
K2UA	89,498	355	73	C	W4DJ	119,700	382	126	C	KX9X (+NO9Z, NM9H)	673,750	1433	175	D	PS8HF 6,096 70 24 B				
W3					N4GM	40,810	349	55	C	Indiana					PY7ZY 46,200 196 55 C				
Eastern Pennsylvania					NL7AU	38,258	224	74	C	K9IG 9,184 99 41 A					PR7AB 30,195 147 55 C				
W2TN	89,676	359	106	A	N4BP (+ K4PG)	612,360	1734	135	D	WZ9A 10,032 109 33 B					PR7AR 16,335 92 55 C				
W3PT	70,464	236	96	A	Tennessee					KB9YEY 2,448 38 18 B					PY7OJ 8,965 65 55 C				
W3AP	10,725	87	55	A	NQ4U	28,578	182	66	A	N9NDS 48 6 4 B					Fernando de Noronha				
N3NR	164,496	399	138	B	AB4GG	31,920	168	76	B	K9NW 836,198 1321 199 C					PY0FF (YU1RL, op)				
N3ZA	6,264	58	36	B	KF4ZEO	12,519	102	39	B	KJ9C 13,536 102 47 C					3,290,760 2684 264 C				
AA3B	917,800	1385	200	C	NA4IT	3,600	58	24	B	Wisconsin					Zone 14				
K3WW	459,732	881	156	C	WA4OSD	1,530	33	17	B	W9AEM 3,125 32 25 A					Chile				
K3ZV	32,340	183	70	C	WD4K (W4PA, op)	884,136	1546	197	C	KE9S 291,584 931 136 B					XQ5SM 14,175 97 35 B				
K3VA	22,944	153	48	C	W4NZ	368,433	911	141	C	KB2QQM 20,328 140 56 B					Argentina				
N3NZ	22,021	157	61	C	K4LTA	252,764	898	116	C	KB9KEG 3,586 78 22 D					LU5FF 234,728 539 104 A				
AI3Q	17,812	107	61	C	W04O	151,915	539	115	C	Zone 9					LW9ETQ 33,222 138 74 A				
WA3AAN	342	25	6	C	N4DW	84,744	309	99	C	Maritime-Newfoundland					LU4HKN 10,948 80 46 A				
AA0CY/3	16,848	125	52	D	KM4H	27,306	153	74	C	VE1JX (K6HNZ, op)					AY8A (LU8ADX, op)				
Maryland-DC					W4TYU	9,225	94	41	C	VE1JI 630,736 1065 158 B					L20H 109,908 357 71 B				
K3ZO	1,301,740	1744	220	A	WN4M (+WB4ECR)	18,894	178	47	D	VE2LI 21,150 163 30 B					AY9H 91,000 387 52 B				
W3DQ	44,928	247	78	A	KW4JS (+KF4ASU)	15,686	153	46	D	VE9TX 18,630 118 54 B					LU4DX 76,096 245 82 B				
NG3K	18,216	169	46	A	Virginia					VE1JL 18,154 111 58 B					LU7JA 7,945 72 35 B				
K3VY	16,408	113	56	A	K4ZW	1,344,108	1921	202	A	VE1OP 481,797 951 141 C					LU7EE 612,612 737 204 C				
N3HBX	534,280	1081	148	B	KI3O	25,296	176	68	A	VE1RGB 166,050 393 135 C					LU1EWL 522,879 699 173 C				
W3LL	30,415	153	79	B	N4MM	89,505	259	117	B	VE1/KG9N 2,865 76 15 C					LU8EHR 20,384 105 49 C				
N3FNE	6,293	75	31	B	N4KIT	1,818	44	18	B	Zone 10					LT1F (LU1FAM, LU1FGE, LU1FKR, LW9EOC, LU3FZW, ops)				
WA3G	4,480	61	28	B	K4OAO	153,340	571	85	C	Mexico					2,112,750 2094 225 D				
W2CDO	133,458	416	118	C	K4UVT	36,846	155	89	C	XE2AC 84,750 384 75 C					LV0N (CX1SI, CX2AM, LU1NDC, LU2NI, LU4NS, LU5NA, LU6NAR, LU7NN, LU8NA, ops)				
K3TW	59,290	276	77	C	K2EKM	8	2	2	C	XE1NW 35,033 222 53 C					1,321,173 1512 201 D				
N3UM	53,009	272	61	C	K4JA (+ W3BP, K9GY, KE9I)	1,287,516	1696	228	D	XE2MX 6,039 67 33 C					LR7A (LU2FA, LU7AWP, LW7DX, LW9DA, ops)				
N3AM	26,656	180	49	C	W4MQ (+N4CY, W6PJ, KG4FSN)	49,120	242	80	D	Zone 11					1,238,952 1404 209 D				
Western Pennsylvania					West Central Florida					Jamaica					LO7H (LU7HN, LU7HF, ops)				
W4ZE	143,706	412	129	A	K4GKD	271,413	693	159	A	6Y4Y 58,432 209 88 B					1,097,980 1407 205 D				
AD8J	11,684	112	46	A	K4LQ	74,664	259	102	A	Trinidad & Tobago					LU7DW (+LU1AEE)				
K3JHT	910	27	14	C	K8FK	22,048	142	53	B	9Y4NED 7,683 62 39 B					739,140 950 194 D				
W4					AI4ET	11,977	80	59	B	9Y4TT (9Z4CP, 9Y4NW, 9Z4EJ, 9Z4CT, DL2RVS, ops)					Paraguay				
Alabama					AG4ZM	1,485	25	15	B	368,940 671 132 D					ZP6CW 180 10 10 C				
KI4ACW	8,814	151	26	B	WB4TDH	280,466	672	146	C	Panama					Zone 15				
KB3DXR	748	23	11	B	WD4AHZ	155,792	553	104	C	HP3XBS 15,312 114 44 B					Brazil				
K4WWWH	1,452	61	12	C	N4GI	40,320	296	48	C	Honduras					PY2NY 1,156,064 1301 208 A				
Georgia					K5KG (+ W4SAA)	869,302	1319	217	D	HR1AAB 8,610 71 42 B					PY2OMS (PY5EG, op)				
AA4GA	37,888	260	64	A	W5					HR2RP 6,460 58 38 B					192,072 389 151 A				
WA4TII	338,541	789	147	B	Mississippi										PY1NB 183,134 394 127 A				
WY4Y (N4EIL, op)	28,428	273	46	B	KD5JXM	5,352	86	24	B										
N4PGW	1,300	24	20	B	N5PU	10,164	128	42	C										
N4PN	507,755	1019	173	C															
AE4Y	13,330	138	43	C															
K4IR	242	13	11	C															

PY3ML	10,800	80	60	A	SM6CRM	32,040	155	90	A	M0GEB	26,878	131	89	B	9A3TN	118,900	291	145	B
PY3YD	9,168	90	48	A	SM6PVB	14,238	111	63	A	M5AML	3,645	49	27	B	9A3ND	12,892	136	44	B
PY2YP	5,760	74	36	A	SM4XIH	13,764	92	62	A	M0AQM	1,495	33	23	B	9A2GA	9,612	74	54	B
PY3SB	4,914	52	42	A	8S5X (SM5HJZ, op)					G3GLL	210,560	457	160	C	9A7P	671,994	1127	222	D
PY4PW	2,928	50	24	A		8,496	98	48	A	G3VQO	135,993	369	143	C	Malta				
PY3GAD	184	24	23	A	7S7B	3,515	44	37	A	G3ZRJ	135,096	334	156	C	Fed. Rep. of Germany				
ZX5J (PP5JR, op)					SM3LIV	170,170	388	154	B	G3KKQ	95,496	270	138	C	9H1ZA	1,448,766	2019	297	C
2,663,117	2208	271		B	8S2F (SM2ODB, op)					G3MPB	90,687	273	111	C	DL2RMC				
ZX2B (PY2MNL, op)						145,281	553	79	B	G4KFT	90,468	242	126	C	DL0SOP (DL9GFB, op)				
1,761,218	1726	226		B	SM5ARL	19,844	105	82	B	G4OGB	41,923	169	113	C	510,232				
ZW5B (PT2FM, op)					SM0FM	3,100	38	31	B	G3YMC	36,177	168	93	C	DJ5MW				
1,073,518	1478	163		B	SL5ZXR (SM5ARR, op)					M0EEE (G0VQR, op)				DJ6QT					
PY5KD	247,940	508	115	B		204	12	6	B		32,164	160	86	C	DL1DTC				
PY2KM	205,440	452	107	B	SD5DS	75	15	5	B	G4SLE	9,150	99	50	C	DJ5IR				
PY2EJ	98,976	284	96	B	SM5G (SM5JBM, op)					G3HKO	5,875	61	47	C	DL1CW				
PY3PA	94,160	259	107	B		439,128	661	228	C	G6UW (M0BBB, G0WVW, ops)				DL1ARJ					
PY2GEC (PY2GA, op)					SM6WQB	174,577	404	169	C		773,793	1182	233	D	DL8AAM				
83,996	252	92		B	SM6BSK	149,056	411	137	C	M6C (G3UNA, G0NIG, M3WKR, G4IUF, ops)				DL8DXL					
PY3LUK	7,840	77	40	B	SK6HD (SM6FKF, op)						503,688	1032	186	D	DM3PKK				
PY2DJ	5,964	62	28	B		104,640	289	120	C	M2Z (M5RIC, G0VHS, ops)				DF1DX					
PU5RAS	4,030	50	26	B	SM/DJ4FZ	97,717	261	139	C		441,140	1023	140	D	DL9ZWG				
PU1LGW	572	16	13	B	SM5RE	42,320	212	92	C	Scotland					DL2ANM				
PY3MSS	444	23	12	B	SM5COP	26,883	139	87	C	Wales					DJ1AA				
PY2EB	1	1	1	B	SM0BDS	5,934	56	46	C	Luxembourg					DJ3WE				
PY2EMC	493,584	740	156	C	SM6CDG	286	14	11	C	Belgium					DL0SWG (DL4SUN, op)				
PY2NDX	412,104	614	154	C	Zone 19					OR3T (RA3AUU, op)					78,500				
PY1NX	318,321	632	113	C	European Russia					2,505,594					DL1NKS				
PY2NA	51,300	172	75	C	RV1AT	167,680	531	131	A	ON4CAS					DH5WB				
PY4FQ	8,464	66	46	C	RK1NA	174,195	403	147	C	ON7VZ					DL2RSS				
PQ2Q (PY1KX, PY1EG, PY2WC, ops)					UA1ANA	148,500	518	100	C	ON4CHK					DL3HSC				
PS2I (PY2MTV, PY2BK, PY2PT, PY2WB, PY2EX, PY2GX, ops)					RN1AO	611	22	13	C	OR3P (ON6AH, op)					DK7AN				
876,480	1215	160		D	RK1NWA (UA1NFA, RN1NU, ops)					106,680					DL8UVG				
PY3ARD (PY3CGP, PY3ACC, PY3JAF, PY3DX, ops)						17,316	135	39	D	ON4CAS					DL6UAM				
64,699	220	97		D	Zone 20					ON7VZ					DL5MHR				
Zone 16					European Russia					ON4CHK					DL2RTJ				
Argentina					Zone 21					OT3R (ON6AH, op)					DL3APK				
LW5EE	27,600	122	60	A	Asiatic Russia					106,680					DF7PM				
LU5EVK	952	19	14	B	RV9JC	323,570	655	131	A	ON4CIN					DL4JWU				
Zone 17					RA9KM	70,950	319	55	C	ON5CZ					DJ3GE				
Iceland					RK9JWV (+ops)					ON6UQ					DL9NEI				
TF8GX	101,220	398	84	B	48,972	230	53	D	ON4XG					DF5AU					
Zone 18					Zone 23					ON5HY					DL2MIH				
Norway					Asiatic Russia					ON6TJ					DL2MEP				
LA9DFA	968,792	1459	218	B	UA0QBR	14,640	102	48	C	ON7CC					DL4SZB				
LA2GN	27,066	113	78	B	RZ3BY/0	2,508	32	22	C	ON4KVA					DL2ASK				
LA2T	645	21	15	B	Zone 24					ON4CKL					DL9JON				
LA7MFA	691,600	1199	190	C	Asiatic Russia					OT3R (ON5ZO, ON4CCP, ops)					DL5DTT				
LA1YE	135,324	406	108	C	UA0IV	7,740	87	30	B	843,948					DK3RA				
LA7SI	59,520	202	93	C	Zone 25					OT3K (ON4CHO, ON4CCM, ON4CCL, ops)					DL0PDM				
LA6ZDA	6,426	82	27	C	Asiatic Russia					311,103					DM3HZN				
Finland					Zone 26					Netherlands					DK0ZN				
OH0R (OH2PM, op)					Zone 27					PA0MIR					DK7ZT				
1,957,665	2178	285		A	Ireland					PA0JNH					DL5KUA				
OH6K (OH6GLE, op)					EI4CF	282,942	496	198	A	PA5KT					DL8ULF				
903,846	1554	194		A	EI7JK	81,690	282	105	B	PA0KHS					DL6UD				
OH6NJ	731,544	1203	204	A	France					PA0LSK					DL2AA				
OH4RH	418,779	806	171	A	F5NBX	281,445	621	145	A	PA0LRK					DF7YU				
OH1BOI	4,872	54	42	A	F6FTB	54,320	220	80	A	PA5BM					DF1ZN				
OH2VF	3,825	45	25	A	F5JDG	46,359	218	101	A	PA0FAW					DL4RCK				
OH2BPA	88,494	252	147	B	TM5A (F5VHJ, op)					PA0FEI					DL3HJ				
OH1TD	8,100	64	54	B	528,652	931	149	B	PA0JIM					DL1PT					
OH6GFI	24	4	4	B	F8AAN	67,620	499	49	B	PA0DUO					DL3OR				
OH2BH (OH2UA, op)					F8DFN	47,571	201	101	B	PA8MO					DJ1MS				
2,038,462	2207	271		C	F8ADY	3,843	59	21	B	PA1TT					DK6AY				
OH5YU	409,760	691	208	C	F5UKL	219,184	512	133	C	PA1FIB					DL6AKK				
OH2FS	292,500	501	195	C	F5RAB	130,500	337	150	C	PB7YL					DK3FCP				
OH2LO	50,381	215	83	C	F5ICC	57,700	184	100	C	PA1GS					DF3HS				
OH2CI	42,891	190	87	C	F6AUS	51,574	303	107	C	PA0OI					DF5BX				
OH6NPV	1,536	34	24	C	F6GQO	18,972	121	68	C	PA9TT					DL8SDC				
Denmark					F5NQL	5,130	69	38	C	PA0NMH					DH5AO				
OZ4RT	16,320	104	60	A	F8KGL	35,908	157	94	D	PA3FGJ					DL2UH				
OZ5EV	183,365	329	217	B	England					PA3AAV					DL8JEW				
OZ1ACB	154,662	365	149	B	G4ZFE	578,976	1266	111	A	PA3BFH					DL3BQA				
OZ1KWG	34,884	215	54	C	G3XTT	514,709	805	221	A	PA0LOU					DL10FD				
OZ4O	31,088	206	58	C	G3SQX	161,207	426	163	A	PA2ALF					DL2FK				
OZ4FF	20,726	111	86	C	G4GOY	147,500	425	125	A	PA3BNT					DK5DS				
OZ7BQ	18,096	119	52	C	G3UFY	112,970	272	130	A	PA3AFF					DL2MST				
OZ5E (OZ1ADL, OZ1XJ, ops)					G4DDX	92,880	132	129	A	PA0DIN					DL1EL				
27,360	138	72		D	M3PHP	11,520	91	64	A	PA3GBI					DK0PM (DH2PC, op)				
Sweden					G0MRH	11,375	110	65	A	PA3HGF					12,006				
SM6E (SM6FUD, op)					M3OKU	6,943	79	53	A	PA3FXS					DL/BG4AGM				
7S3A (SM3CER, op)					M0CMQ	5,974	37	58	A	Zone 28					11,505				
215,011	599	127		A	M0AXP	5,338	51	34	A	Croatia					DL9FZ				
SM7BJW	114,840	328	132	A	G3PJV	342,646	799	142	B	9A5K					DH1OK				
SM6XKB	89,208	315	126	A	G3VAO	201,996	399	186	B	9A2EY					DL7FBG				
					G4XBL	110,400	299	138	B	9A2KO					DH7AMF				
										9A3QO					DF7YT				
										1,075,545					DN2AZ (DH0GDS, op)				
										73,402					1,342				
										13,450					3,783				
										9,442					2,914				
										79,46					2,684				
										1398					1,782				
										255					42				
										105					31				
										79,46					885				
										23					15				
										23					23				

SP6YAO	90	10	10	A	SQ5JUM	4,480	65	40	B	SP6ZYU (SQ6LAK, SQ6FHP, ops)	3,312	57	48	D	4N1N (4N1LD, YZ1EA, ops)	726,427	1198	247	D
SP6IXO	72	12	6	A	SQ9BDN	4,183	57	47	B	3,312	57	48	D	Macedonia					
SP2BZW	72	12	6	A	SP8ONB	3,735	53	45	B	SP2PHA (SP2ANG, SP2XBA, ops)	6	3	2	D	Z38AV (YU7AV, op)	973,135	1765	235	C
SP3IGP	72	12	6	A	SP7QHR	2,794	48	22	B					Z35G	173,579	493	137	C	
SP3NUY	72	12	6	A	SP9QZI	2,496	44	32	B	Greece				Zone 29					
SP3XBN	72	12	6	A	SP2ALT	2,336	51	32	B	SV1NA	34,425	242	81	A	Georgia				
SP6ALE	72	12	6	A	SP9HQC	1,722	42	42	B	SV1BDO	9,472	77	64	A	4L4TZ	111,274	347	118	B
SP3KQV (SP3NUY, op)	72	12	6	A	SP8HPW	1,710	33	30	B	SV1CRX	342,366	1160	129	B	Moldova				
					SP5NN	1,189	34	29	B	SV1BFW	14,740	85	55	B	ER5DX	311,328	642	188	B
SP6HTG	72	12	6	A	SP9PTG	1,147	35	31	B	SV2YC	1,785	31	21	B	ER1Q (ER1QQ, op)	110,022	681	66	B
SP6SNS	72	12	6	A	SP9EB	940	29	20	B	SV1JA	35,090	149	110	C	ER3CT	106,515	354	135	B
SP7IBL	72	12	6	A	SP9FRZ	630	42	15	B	Bosnia-Herzegovina				ER3CAB	3,990	60	42	B	
SP7HKK	72	12	6	A	SQ5NF	432	15	12	B	T94DO	178,035	578	143	B	Estonia				
SP2KFQ	72	12	6	A	SP5UG	336	21	21	B	T94EN	3,075	50	25	B	ES4RD	37,740	231	74	A
SP8GRS	72	12	6	A	SP9BQJ	324	18	18	B	T96A	14,160	105	59	C	ES8SW	14,824	115	68	A
SP6A	72	12	6	A	SQ5RAK	252	16	9	B	T91EDK (T94EN, T94LE, T95DSB, T92SFW, ops)	17,856	307	36	D	ES6CO	11,970	126	57	A
SP6AKU	63	8	7	A	SP2GSQ	156	11	12	B	European Russia				ES1CN	105,915	328	115	B	
SP6DNS	60	11	6	A	SP5YOC (SQ5ABG, op)	120	9	10	B	UA3URD	96,900	328	114	C	ES6PA	45,753	208	101	B
SP3FRR	54	9	6	A	SP9DEM	36	6	6	B	Romania				ES6KW	13,268	106	62	B	
SP6YYP	50	10	5	A	SP5IKO	16	4	4	B	YO8KOS (YO8AXP, op)	532,539	906	237	A	ES2DJ	557,648	1028	208	C
SP7IWA	50	10	5	A	SP9KGG	16	4	4	B	YO7BGA	221,088	504	188	A	ES4MM	184,164	358	206	C
SP6BOW	50	10	5	A	SP5OXB	9	5	9	B	YO9FYP	151,404	513	148	A	ES4MF	19,435	146	65	C
SP4CNE	48	8	6	A	SP3EXZ	4	2	2	B	YO5DAS	138,180	368	141	A	ES1XT (ES2JL, ES1CR, ops)	92,752	318	136	D
SP3JHR	48	9	6	A	SP2RXS	4	2	2	B	YO6CFB	126,699	323	157	A	Belarus				
SP8YCB	45	9	5	A	SP9W	545,160	1028	210	C	YO4AAC	125,715	399	145	A	EU6TV	104,962	282	143	A
SP2BZO	45	9	5	A	SP2HPD	498,432	929	236	C	YO4GDP	114,570	365	171	A	EU1CC	73,191	301	93	A
SP2FCR	42	9	6	A	3Z2D (SP2DNI, op)	313,813	762	191	C	YO3FLQ	60,368	302	98	A	EW6OO	26,000	150	100	A
SP9KAG	40	8	5	A	SQ9FMU	202,664	455	196	C	YP8S	39,644	441	44	A	EU1SA	555,588	1000	198	B
SP6TGD	40	8	5	A	SP4DZT	171,360	360	204	C	YO8MI	22,984	166	68	A	EW6AF	159,894	442	141	B
SQ9ITP	40	8	5	A	SP3ASN	157,603	335	173	C	YO3JW	19,787	205	47	A	EU6NN	84,177	258	141	B
SQ9HHE	40	8	5	A	SP8BAB	130,410	345	126	C	YO4TMB	9,912	119	56	A	EU6PW	2,442	44	37	B
SP9MDP	40	8	5	A	SP9NSV	108,550	338	130	C	YO6ADW	612	18	18	A	EW8EW	834,236	1191	244	C
SP9BNL	40	8	5	A	SP9FT	108,392	343	136	C	YO3RU	296,112	713	186	B	EW1CQ	371,933	852	157	C
SP4Z	40	8	5	A	SP9DUX	94,129	326	119	C	YO4GNJ	115,054	101	65	B	EU1XX (EU1CJ, op)	227,178	703	126	C
SP9SDX	40	8	5	A	SP3BJK	83,830	392	83	C	YO3AIL	91,665	291	135	B	EW6CU	107,468	313	134	C
SQ3DWH	36	6	6	A	SP2BLC	77,840	394	70	C	YO8GF	64,782	243	118	B	EU6AA	30,800	168	88	C
SP3ZAH	35	7	5	A	SP9BNM	73,698	269	142	C	YO9BXE	41,172	198	94	B	EW2ZC	15,867	143	41	C
SP9FZU	35	8	5	A	SP1AEN	63,825	241	115	C	YO3GSZ	21,682	159	74	B	Lithuania				
SP9NLA	35	7	5	A	SN8A (SP8AQA, op)	59,670	240	135	C	YO6AJI	14,616	102	84	B	LY2FY	2,203,032	2498	312	A
SQ5EBM	35	8	5	A	SP8FHJ	54,375	220	125	C	YO9DBP	10,712	86	52	B	LY9A (LY3BA, op)	1,734,936	2100	276	A
SP9CXN	35	7	5	A	SP3HC	32,060	170	70	C	YO4QU	10,584	102	54	B	LY2OU	148,716	449	153	A
SP3GRQ	30	8	5	A	SP5ULV	31,122	142	91	C	YO3XL	8,510	146	95	B	LY1CT (LY1FGP, op)	95,108	376	118	A
SQ6LAK	28	7	4	A	SP5CGN	24,319	146	83	C	YO9FL	4,407	58	39	B	LY3CY	76,835	310	121	A
SP6KFK	24	6	4	A	SP8GNF	22,952	139	76	C	YO6AE	3,816	46	24	B	LY1FGP	375	15	15	A
SP9ZE	24	6	4	A	SP3AZO	12,444	94	51	C	YO9KPL	585	21	15	B	LY1DJ	68,834	258	127	B
SP3FPW	20	5	5	A	SP2UKB	7,320	104	30	C	YO9WF	367,973	916	181	C	LY7Z (LY2TA, op)	1,709,392	1888	304	C
SP6AEG	18	6	3	A	SQ9QR	7,084	68	46	C	YO6OBH	235,664	544	176	C	LY3UM	1,196,064	1443	288	C
SP7DZA	18	6	3	A	SN8M (SP8MI, op)	6,580	76	35	C	YO5CBX	124,660	573	92	C	LY2MM	596,752	895	247	C
SP8QED	15	5	3	A	SP3AOT	2,750	54	25	C	YO2AQB	113,216	348	116	C	LY2XW	381,220	791	196	C
SP6FXY	12	4	3	A	SN0LIP (SP1RWU, op)	2,400	72	16	C	YO8BPY	95,175	302	141	C	LY2BBF	335,014	702	191	C
SQ2AJI	6	3	3	A	SP4BY	2,079	44	33	C	YO2GL	94,462	293	146	C	LY2HN	269,721	542	207	C
SP1EK	6	3	2	A	SP4TBM	1,938	35	34	C	YO8RKQ	86,346	354	117	C	LY3BY	216,062	562	161	C
SP6LUV	317,140	637	202	B	SQ8VS	949	38	13	C	YO4CSL	82,532	271	94	C	LY2GW	142,305	412	159	C
SP9QMP	255,162	777	129	B	SQ9CAQ	850	27	25	C	YO8RHQ	16,219	108	49	C	LY2FL	112,860	498	90	C
3Z6V	207,835	436	197	B	SP8AJK	72	12	6	C	YO4BBH	13,920	120	58	C	LY1BX	100,575	329	135	C
SP3GXH	204,750	451	195	B	SP4BKK	72	12	6	C	YO4RLP	4,795	68	35	C	LY1FCI	132	12	12	C
SP9OHP	142,451	381	167	B	SP4TBY	72	12	6	C	YO3FLR	608	27	16	C	LY70RK (LY2LL, LY2NK, LY2UF, LY3NUT, LY4AA, LYR346, ops)	1,735,212	2163	276	D
SP1BZZ	137,389	411	133	B	SQ4BY	60	11	6	C	YO9KIG (+YO9GJY)	191,730	411	154	D	Poland				
SP9MRO	130,600	467	100	B	SP3PLD (SP3FLR, SP3HBF, SP3IBM, ops)	552,531	925	249	D	YO9KVV (+YO9FNR)	35,002	149	86	D	Kaliningrad				
SP3HZG	128,334	336	146	B	HF25KVV (SP5MXZ, SP5XSD, ops)	525,300	1120	204	D	YO9KPM (YO9BIG, YO9FIM, ops)	30,291	139	69	D	UA2CZ	223,213	506	179	A
SN4AAZ	125,229	361	169	B	SP2KFV (SP2CMD, SP2QG, SP2LKV, ops)	242,400	705	160	D	YO6KNY (+YO6DBA)	16,500	100	75	D	UA2FL	379,068	1225	124	C
SP9MRQ	121,440	346	160	B	SP9KRT (SP9ADU, SQ9FVR, ops)	194,213	496	181	D	YO3KSD (YO3GCL, YO3HFF, ops)	12,805	132	65	D	RU2FM	81,084	280	116	C
SQ7B	106,546	326	167	B	SP3PKL (SP3XBN, SP3VZQ, ops)	157,887	436	159	D	Yugoslavia				European Russia					
SP5GMM	98,982	273	141	B	SP6KFA (SP6JQC, SP6MLG, SP6UUE, ops)	127,950	412	150	D	YT1AD	1,900,200	2008	300	A	RK4FF	2,783,048	2735	331	A
SQ9HZM	96,239	305	143	B	SP9KJT (+ packet)	115,800	345	150	D	YU1LM	141,988	413	154	A	RN3QO	1,649,188	1876	284	A
SP9TPB	95,550	252	147	B	SP8KAF	94,290	463	105	D	YT1AT	84,744	270	132	A	RX3RZ	412,527	743	199	A
SP3GHK	91,086	314	141	B	SP0PZK (SP2JMR, SP2UKB, ops)	62,916	252	107	D	YU1KT	59,680	309	80	A	UA4LY	408,534	741	213	A
SQ1BVG	84,513	288	143	B	SP9KOV (SP9HAX, SP9CTS, ops)	32,250	172	125	D	YU1RA	6,360	134	30	A	UA3SAQ	276,809	594	199	A
SP4SHD	83,230	311	145	B	SP6KYU (SQ6FHP, SQ6UV, SP6AKU, ops)	22,841	148	91	D	YT7Z (YU7EE, op)	52,250	298	95	B	RA3RK	263,748	605	186	A
SP4LVK	71,628	264	127	B	SP4PBI (SP4INT, SP4Z, +op)	6,844	82	59	D	YT6A	2,511,486	2620	333	C	RW3VZ	233,308	510	188	A
SP7GRV	69,376	255	128	B	SP5PPK (SQ5HD, SQ5ABG, SQ9CWN, ops)	3,480	56	40	D	YU7LS	268,442	597	158	C	RU6MM	151,646	479	122	A
SQ9ITH	65,913	258	127	B						YU1AAV (YU1SB, op)	214,880	533	160	C	RU3DM	145,140	439	123	A
SQ8FEW	49,728	392	56	B						YT1VM	137,564	342	119	C	RV3BQ	140,070	424	138	A
SQ9ACH	39,273	255	57	B						YU1PJ	123,370	391	146	C	RW3PN	122,808	367	136	A
SQ4CUX	33,957	259	63	B						YU1PC	90,390	260	131	C	RZ3VA	74,100	267	130	A
SP6NVK	32,110	170	95	B						YU7KM	90,083	272	119	C	RW4FX	70,560	315	84	A
SP1DMD	31,482	234	53	B						YU1WC	69,216	2							

RV3YR	53,244	206	102	A	RF3A (RD3DG, RK3AW, RK3FM, RK3FT, ops)	1,544,396	2029	266	D	YL1XN (YL2HB + ops)	161,170	510	142	D	UN5J	135,630	361	110	C
UA3AGW	50,901	316	57	A	RK3DZD (RK3DUF, RK3DSL, RK3DPL, RV3DA, ops)	563,264	1052	208	D	YL1ZS (YL2RM, YL-RS-27, ops)	48,951	209	111	D	Zone 32				
RV6FG	49,455	196	105	A	RK3SWB (+RA3S-797)	26,565	163	69	D	Zone 30					Asiatic Russia				
RA6YJ	46,032	140	50	A	RW6AWW	12,818	118	58	D	Kyrgyzstan					RM0A (UA0ANW, op)	1,337,777	1567	223	A
UA3QU	40,500	196	90	A	Ukraine					EX7ML	63,168	291	56	B	UA0ACG	464,569	911	133	A
RX3AEX	39,480	221	84	A	UT5UGR					Turkmenistan					RA0ALM	20,634	123	57	A
RZ3AA	32,704	157	112	A	EN1U (UX1UA, op)	547,548	1024	206	A	EZ8CW	405	13	9	B	RA0SDW	12,099	103	37	A
RX3DBG	32,370	189	78	A	US7IGF	383,708	792	188	A	European Russia					UA0AKY	11,704	86	44	A
UA4SU	29,970	160	74	A	UR6QS	315,126	699	183	A	RN4WA	589,818	1060	197	A	RA0AM	552,906	904	162	B
UA6AKD	26,738	235	58	A	UT5IZO (UT5IZ, op)	303,042	1060	102	A	UA4WLI	219,626	598	149	A	UA0SR	35,420	156	77	B
RW3GU	20,241	195	39	A	UR4EWZ (UR3EZ, op)	296,032	630	176	A	RW4WZ	42,630	173	87	A	UA0AZ	291,924	504	153	C
RU6FA	20,196	147	51	A	UR5E (UR5EDX, op)	266,738	561	197	A	RU4WG	41,041	198	91	A	UA0AGI	245,916	455	162	C
RW6AH	11,880	88	66	A	EN1I (US1ITU, op)	215,168	495	164	A	RW4PY	75,221	265	107	C	RA0AY	33,744	144	74	C
UA3LBE	7,995	89	41	A	UT2UZ	161,840	461	136	A	RK4WWA (UA4WA, RU4WW, UA4-095-754 + op)	491,800	887	200	D	RK0AXX (RU0AT, RU0AE, RW0AR, RV0AR, RX0AE, RU0AEG, ops)	1,189,377	1483	203	D
UA1ATZ	462	23	21	A	US1MM	142,974	377	169	A	Asiatic Russia					Zone 33				
RA1QJM	81	9	9	A	UR7QM	135,168	472	128	A	RG9A (UA9AM, op)	2,277,633	1901	307	A	Asiatic Russia				
RN4LP	854,382	1186	262	B	US3IZ	129,150	433	126	A	UA9CLB	1,404,271	1613	209	A	RW0UU	42,330	179	83	B
RN3ZC	481,152	567	192	B	UX3HA	112,784	437	112	A	UA9SP	452,580	641	190	A	Zone 34				
RA3OU	416,064	785	197	B	UX1IL	112,050	344	150	A	UA9AX	227,493	428	157	A	Asiatic Russia				
RA6AFB	296,274	649	201	B	US3LX	94,592	319	128	A	UA9FLW	206,280	463	120	A	UA0CA	370,035	804	135	A
RA3DNC	205,173	499	153	B	UU2JA	42,681	167	123	A	RK9CR	170,408	436	119	A	RW0MM	209,469	561	123	A
RU3ZI	177,606	411	138	B	UR1LA	42,570	219	110	A	RU9BB	137,728	336	128	A	RA0LE	28,158	206	57	B
UA3LHL	125,504	344	148	B	US0QG	9,636	82	66	A	RK9CZO (RX9CAZ, op)	37,926	178	63	A	RU0LL	572,020	1063	148	C
RN4AAK	100,772	335	118	B	UU3SA	214,630	632	130	B	RX9WN	2,046	33	22	A	RW0LIA	14,842	118	41	C
RV6BC	89,794	275	139	B	EM6M	136,080	313	99	B	RA9AU	248,570	470	134	B	Zone 35				
UA3BZ	88,790	280	130	B	UT5UKY	131,016	340	159	B	UA9ACJ	170,196	333	156	B	Asiatic Russia				
RL3AW	76,246	204	134	B	UY7MM	110,260	325	148	B	RA9DA	34,028	131	94	B	RN0CT	273,916	677	124	B
UA4NC	75,264	261	128	B	UR0UL	68,228	303	74	B	RX9FG	24,648	138	52	B	Zone 36				
RN3FS	67,155	222	121	B	UT7DW	46,610	277	79	B	UA9LAU	5,264	60	28	B	Madeira Islands				
UA1AFZ	53,730	234	90	B	UT7MD	41,496	183	104	B	RW9TA	1,158,840	1298	216	C	CT3KN	61,659	182	93	A
RW3VI	52,136	223	98	B	UR4MBI	40,014	232	81	B	UA9CNV	500,650	741	170	C	CT3FQ	178,267	463	89	B
RW3DIA	31,520	155	80	B	UU5JTN	1,386	37	22	B	UA9AFS	371,955	564	181	C	CT9KB	62,271	191	99	B
RK4FW	30,362	152	94	B	UW5U (UY2UA, op)	862,771	1308	247	C	RA9SO	238,810	449	143	C	CT3KY	49,140	176	78	B
RA3DGH	24,240	134	80	B	UT2IO	740,012	1250	214	C	RA9AC	133,322	335	107	C	Canary Islands				
RA3RHA	12,709	97	71	B	UY5ZZ	608,967	1082	213	C	RA9DD	129,794	294	127	C	EA8/OH4NL (OH2BYS, op)	3,315,312	2440	299	A
RV3DCC	11,110	82	55	B	US9QA	417,701	848	199	C	RA9FTM	124,080	364	88	C	EA8/PA3FSC	5,974	54	29	C
RZ6ARM	6,993	83	37	B	UT4XU	343,706	686	187	C	UA9QFF	84,801	347	69	C	Zone 37				
RA3DTN	4,704	81	28	B	U5WF	295,200	548	180	C	RX9AF	81,539	305	67	C	Tunisia				
RA2FIA	4,309	60	31	B	UY5TE	295,095	638	191	C	RX9LW	59,346	275	54	C	3V8BB (YT1AD, op)	3,394,912	2772	277	A
RV3DUT	2,820	38	30	B	UX5UO	198,660	490	165	C	RU9WZ	46,453	164	103	C	Morocco				
UA6LMW	140	14	10	B	UU4J (UU4JO, op)	159,580	400	158	C	UA9FGJ	23,040	113	60	C	CN8YR	20,384	164	28	C
RZ6LYL	99	9	9	B	UY5WA	115,960	381	130	C	RW9QW	21,528	126	46	C	Portugal				
RZ3AZ	1,473,624	1739	291	C	UR5FS	103,712	350	112	C	RV9CLF	20,250	118	54	C	CT1ILT	1,695,533	1659	301	A
UA3RAR					UX7QD	83,538	459	63	C	UA9CR	6,732	59	44	C	CT1DHM	288,990	515	190	B
RT3A (RU3AA, op)	1,304,412	1600	284	C	UY7LM	33,540	172	86	C	UA9QCP	5,162	55	29	C	CT1DJE	1,728	30	24	C
RD4M	987,660	1229	279	C	UY0IX	25,185	147	73	C	RT9W (RU9WX, RX9WR, RW9WY, RA9WW, RA9WR, ops)	2,650,673	2296	281	D	CT1CXP	7,040	61	55	D
UA3TU	775,180	1131	245	C	UT3AW	21,376	123	64	C	RF9C (RA9CKQ, RA9CMO, RZ9CO, UA9CIR, ops)	2,144,645	1997	265	D	Spain				
RW3GB	500,544	881	198	C	UY2ZZ	10,908	125	36	C	Kazakhstan					EA5QB	78,876	220	126	A
RA3XM	459,424	747	224	C	UX1IB	4,472	54	43	C	UP5P (UN5PR, op)	103,121	293	101	B	EA1AK	61,952	234	88	A
RA3XO	374,400	601	225	C	UT5JAB	4,392	118	24	C	UN7TO	86,028	264	107	B	EA3ALV	54,610	194	127	A
RZ4AG	251,702	525	187	C	UZ4E (UR4EN, UR5ECW, UR7EU, USE-601, ops)	706,560	1186	240	D	UP4L (UN7LZ, op)	1,203,018	1330	222	C	EA5DFV				
RV3LO	243,525	501	191	C	UV7M (US5MTJ, UX3MX, US8MX, UY5LO, ops)	504,112	1111	196	D	UN7CZ	319,716	534	166	C	1,680,200	1978	248	B	
RN4SS	224,692	627	149	C	UT4IZL (UY0IA + ops)	105,705	496	81	D	UN6LN	231,084	463	131	C	EA3BOX	580,070	906	190	B
RK3BX	220,565	622	155	C	US0Q (US3QAA, US3QAB, ops)	78,540	412	85	D	UN7CN	122,139	290	123	C	EA5ON	178,949	419	149	B
UA6NZ	206,364	498	174	C	UR4MWU (UR5MB, UR5MA, UR1MZ, US5MQL, UR5MAE, ops)	65,600	313	100	D	Zone 31					EA3QP	163,030	654	85	B
RA4FJV	194,810	501	154	C	UT7WZA (UR5WCW, UT7WZ, US-W-73, ops)	59,274	181	111	D	Asiatic Russia					EA7CWA	144,045	351	135	B
RU4SS	188,508	485	138	C	Latvia					UA9ZZ	1,446,564	1789	204	A	EA7GXW	132,660	405	110	B
RA3AN	175,560	522	114	C	YL2GTD	21,964	140	68	C	RZ9OU	272,521	540	149	A	EA5KV	132,160	357	112	B
RW3XZ	148,730	376	139	C	YL2GLU	784	27	16	C	UA9IB	248,930	599	110	A	EA3EYD	124,122	309	137	B
UA3LEO	146,816	367	148	C	Zone 30					RZ9IR	67,130	300	70	A	EA1BIM	55,822	187	113	B
RW4FO	139,315	393	149	C	Kyrgyzstan					RW9OWD (RA9YDR, op)	363,058	574	167	B	EA5AGR	43,734	168	111	B
RV3DAK	131,216	370	139	C	Turkmenistan					RZ9UGN	80,444	249	91	B	EA4CXQ	23,595	152	65	B
UA0KCL/3					European Russia					RU9YF	47,328	165	87	B	EA3FHP	3,000	40	30	B
RV6YB	115,625	404	125	C	Asiatic Russia					RA9UAG	4,158	49	27	B	EA7HE	1,740	34	30	B
RV1CC	104,432	365	107	C	Kazakhstan					UA9YAB	1,119,807	1217	221	C	EA1AAW	576	19	18	B
RU4CO	102,360	320	120	C	Ukraine					UA9OGC	50,480	189	80	C	EC3DEN	378	13	9	B
RV3LQ	98,420	293	133	C	Ukraine					UA9OSV	12,685	89	43	C	EA2CHL	176	40	5	B
RA4HW	83,121	308	103	C	Ukraine					Zone 31					EA5FID	435,006	776	169	C
RK6BZ	74,480	259	133	C	Ukraine					Asiatic Russia					EA7CA	96,162	259	141	C
RK4HD	61,468	196	127	C	Ukraine					UA9ZZ	1,446,564	1789	204	A	EA5EOH	92,928	254	132	C
UA3AKI	58,562	262	89	C	Ukraine					RZ9OU	272,521	540	149	A	EA5YU	80,210	227	130	C
RA6MS	56,560	260	101	C	Ukraine					UA9IB	248,930	599	110	A	EA4EFJ	11,745	152	27	C
RV3PN	55,670	223	95	C	Ukraine					RZ9IR	67,130	300	70	A	EA2AAZ	1,794	36	13	C
RU4LM	28,864	149	88	C	Ukraine					RW9OWD (RA9YDR, op)	363,058	574	167	B	EA/DH8WR	648	27	18	C
RX3MM	24,747	153	73	C	Ukraine					RZ9UGN	80,444	249	91	B	EA4RCT (EA4PL, EA4RF, +ops)	713,388	1130	204	D

Balearic Islands					JG1VGX	18,876	125	52	A	JA2ZJW (JH2SON, JA2XYO, ops)					KH6GMP	30,912	149	46	B
EA6ACF	6,435	65	55	B	J13KHN	13,803	102	43	A	362,964	695	149	D	WH6VH	9,150	78	25	B	
African Italy					JA2FSM	12,000	82	50	A	JA3AOP (+JA3PYC, JJ3TBB)					KH6RS (NU6S, op)				
IH9/OL5Y (OK1FUA, op)					JE1RRK	8,547	84	33	A	142,428	357	132	D	560,772	1074	111	C		
3,504,774	2811	273	A		JA1BUI	7,620	72	30	A	7L4IOU (+ packet)					KH6B	707	21	7	C
Zone 38					JE1COB	5,740	58	35	A	80,478	261	102	D	KH7X (+KH6ND, K6NA, ops)					
Egypt					JG3NKP	4,880	50	40	A	JA1YPA (+JA1PEJ)					1,905,930	2078	195	D	
SU9US	560,367	1052	113	C	JF7GDF	4,860	47	27	A	14,288	105	47	D	KH6WW (N6XG, K7GQ, ops)					
Zone 39					JA6GCE	637,777	1057	179	B	Zone 46					258,762	564	101	D	
Israel					JE2HCJ	553,700	854	175	B	Guinea					Zone 64				
4X6HP	45,885	215	57	A	JM1LPN	532,167	889	179	B	3XY1L (UT1WL, op)					Mariana Islands				
Cyprus					JA7NVF	506,796	891	157	B	112,500	301	90	B	KH0NX (KH0JT, KH0P, WH0V, ops)					
5B4AGM (RW3QC, op)					JA8NFV	58,149	198	91	B	Niger					209,628	566	81	D	
3,404,544	2238	352	A		JH1UUT	28,014	150	69	B	5U7JB					Zone 67				
5B4AHA	780,219	901	213	C	JG2REJ	15,015	92	55	B	Zone 49					Antarctica				
P3A (RA9JX, RZ9UA, RW4WR, UA3DPX, UA9CDV, RW9UP, UA9UR, RK3AD, UA9ND, + packet)	7,008,176	4581	343	D	JA5EO	11,985	131	47	B	Thailand					DP1POL (DL5XL, op)				
Kuwait					JH2BTM	7,912	72	43	B	E21EIC	27,968	182	46	A	1,176	24	21	A	
9K2RA (9K2RR, op)					JA7DOT	7,410	58	57	B	HS1PDY	94,116	314	92	B	Checklogs: 3Z7ADI, 4Z5MU,				
54,384	279	48	A		JR1MRG	6,179	64	37	B	HS1JNB	1,276	23	22	B	4Z5OZ, CT1AOZ, DL1NL, DL2AL,				
Slovenia					JA1KK	5,270	54	31	B	HS1TEF	629	18	17	B	DL2AXM, DL5CX, DL8UKE, LZ1FJ,				
S57CQ	38,150	194	50	B	JA1ALX	5,115	48	33	B	HS1WOK	240	10	8	B	N1ND, N3XOF, OM5NA, PA0SIM,				
Turkey					JH9URT	4,665	253	15	B	E21CJN	90,513	313	89	C	PY5HSD, RA1QDP, RU3DNN,				
YM0T (TA2RC, op)					JA2GHP	4,611	57	29	B	HS0EHF	28,470	126	73	C	RV3DBK, SN5W, SN6O, SP1DID,				
TA1GS	612	20	18	B	JH9JVW	3,550	60	25	B	HS0XNO	3,718	43	26	C	SP2FAV, SP2FAX, SP2FOV,				
TA2ZF	2,430,492	2045	268	C	JA8TEZ	2,592	37	27	B	Zone 50					SP2GJV, SP2HCZ, SP2IUA,				
TA3DD	874,692	1245	156	C	JA7ADV	2,020	37	20	B	Philippines					SP2JSX, SP2JYX, SP2KC,				
Zone 40					JH1RDU	1,932	34	23	B	DU1EV	6,486	66	23	A	SP2LNV, SP2PIK, SP2PMO,				
Iran					JJ2PUG	1,580	29	20	B	DU9RG	436,020	744	130	B	SP2RIU, SP2SCG, SP2SGM/5,				
EP3PTT (EP2ES, op)					7N4JQJ	1,456	35	16	B	DU1UTD	108,071	335	67	B	SP2WIU, SP2WKB/2, SP2ZFT,				
6,324	65	31	B		JA3PYH	1,428	32	17	B	DZ1BP (DU1BP, op)	25,420	116	62	B	SP3KRE, SP4BXJ, SP4SKR/5,				
Zone 41					JL3RDC	1,254	28	19	B	4F2KWT	63,444	216	68	C	SP5AGT/5, SP5ANJ, SP5AQT/5,				
Maldives					JH2VHS	915	25	15	B	Zone 53					SP5ATZ/5, SP5BAK/5, SP5BYY/5,				
8Q7LC (VK6LC,op)					J18BUR	871	29	13	B	Zambia					SP5BZA/5, SP5DDF/5, SP5DED/5,				
123,938	441	62	B		JA1JLP	540	18	10	B	9J2KC (JL1NKC, op)	107,748	335	73	B	SP5DXM/5, SP5ECJ/5, SP5ELA,				
India					QJ1AHZ	450	18	9	B	Zone 54					SP5ELB/5, 9A/SP5ELW,				
VU2SWS	89,815	233	115	B	JR3KAH	238	12	7	B	West Malaysia					SP5ERS/5, SP5ES/5, SP5EYQ/5,				
VU3DJQ	21,070	140	43	B	JF2FKJ	140	10	5	B	9M2TO (JA0DMV,op)	16,950	178	25	C	SP5FKW/5, SP5HI/5, SP5IDK/5,				
Zone 44					JA1LBZ	105	7	5	B	Singapore					SP5INQ, SP5IOU/5, SP5JCL/5,				
Taiwan					JJ0AEB	90	8	5	B	9V1YC	814,131	1199	171	A	SP5JTF/5, SP5JTM/5, SP5KAB/5,				
BN0F (JJ1TBB,op)					JG1GCO	45	5	5	B	Indonesia					SP5KE/5, SP5KEH/5, SP5KGT/5,				
45,474	462	33	A		JR1BSV	8	2	2	B	YB0WWW	13,464	99	34	A	SP5LCT/5, SP5MBJ/5, SP5MBL,				
China					JH3AIU	867,475	1210	175	C	YC7NLN	29,304	283	36	B	SP5MXH/5, SP5NHI/5, SP5NOS/5,				
BD5RI	359,100	794	140	B	JA7DLE	532,701	890	157	C	YB2DGR	7,395	60	29	C	SP5OAV/5, SP5OBJ/5, SP5OXE/5,				
South Korea					J11RXQ	307,164	605	132	C	Zone 55					SP5OXJ, SP5OXM/5, SP5PB,				
HL2FDW	375,480	861	140	A	JH0NVX	219,248	451	142	C	Australia					SP5QWE/5, SP5RGO/5,				
HL1/WX8C					7M4CDX	160,617	407	111	C	VK4DMP	44,138	188	58	B	SP5UAR/5, SP5UGP/5, SP5WA,				
DS5KJR	90,125	352	89	A	JG3LGD	152,551	327	133	C	VK4II	3,888	44	27	B	SP5XMU/5, SP5XXX/5, SP5YFA,				
DS5DNO	21,369	141	51	A	JA1BNW	126,576	328	108	C	V18NT	253,456	421	146	C	SP5ZR, SP6AUI, SP6BFL, SP6CIK,				
6K2CLF	50,148	503	36	B	JA2IU	99,750	263	114	C	VK4TT	24,354	118	54	C	SP6CSK, SP6CYX, SP6DXH,				
HL5UOG	214,679	481	137	C	JH1AZO	94,968	356	72	C	Zone 56					SP6EJY, SP6EKS, SP6EQZ,				
DS1CCU	44,910	298	45	C	JA5ATN	94,760	251	103	C	New Caledonia					SP6FRQ, SP6GEQ, SP6GKW,				
HL5AP	14,061	75	43	C	JA1QOW	82,935	229	97	C	FK8HN	84,899	273	73	C	SP6IHE, SP6IXF, SP6IXH,				
HL0B	62,916	273	84	D	JA1CP	65,586	194	102	C	Zone 57					SP6JQC, SP6JUD, SP6JZG,				
HL0K	25,752	227	58	D	JA2KKA	58,028	197	89	C	South Africa					SP6LK, SP6LMX, SP6ML, SP6NIJ,				
Zone 45					JA1XEM	56,191	216	83	C	ZS4TX	2,125,893	2013	231	A	SP6OPV, SP6OPY, SP6ORR,				
Japan					JG1EIQ	40,581	155	81	C	ZS1JY	3	1	1	A	SP6PBF, SP6RGZ, SP6RLD,				
JH7PKU	976,701	1390	187	A	JN7OJA	37,512	147	72	C	ZS1EL	50,297	176	73	C	SP6RTX, SP6RYC, SP6SOG,				
JR4PMX	291,291	534	143	A	JA5APU	35,881	199	53	C	ZS0M (ZS6MG, ZS6EGB, ops)	542,260	705	190	D	SP6TPF, SP6TRN, SP6VGB,				
JR4GPA	159,887	511	91	A	JR1NKN	32,512	170	64	C	ZS5NK (ZS5BB0, ZS5GMW, ops)	282,982	558	119	D	SP7DCS, SP7HQ, SP7PBC,				
JA1BPA	158,928	388	129	A	JA7KM	31,490	140	67	C	Zone 58					SP8HKT, SP8RX/2, SP8XXN/5,				
JS6GIM	90,180	296	108	A	JQ2EHD	30,640	130	80	C	Australia					SP9CQ, SP9CVY, SP9DEE,				
JA7DNO	60,075	202	89	A	JA7GBS	29,988	133	51	C	VK7GN	15,444	101	44	A	SP9IQ, SP9KDA, SP9ODY,				
JR3NZC	59,940	217	90	A	JA9CWJ	23,920	129	52	C	VK7VH	4,536	47	28	B	SP9PEE, SP9PRO, SP9UJR,				
JR9NVB	50,616	282	76	A	JA1IZ	23,064	109	62	C	VK1AA	1,047,654	1302	174	C	SP9VRB, SQ2CFB, SQ2DMU,				
JA2CXF	47,520	161	90	A	JA2VZL	20,414	110	59	C	Zone 60					SQ4FAH/5, SQ5AXN/5, SQ5CSV/5,				
JK2VOC	43,687	209	79	A	JH1BCS	19,836	104	57	C	New Zealand					SQ5GRR/5, SQ6FHT, SQ6HZG,				
JA2AXB	32,976	155	72	A	JA1PS	18,612	84	66	C	Zone 61					SQ6IUD, SQ6LAB, SQ9MZ, SV1XV,				
JA3UWB	30,550	148	65	A	JH1NXU	18,126	100	53	C	Hawaii					T13TL, UA0FZ, UA1ACC,				
JE1REU	30,420	143	65	A	JP1SRG	15,189	81	61	C	AH6NF	5,525	54	25	A	UA1AKE, UA1QV, UA4FCO, UQ1D,				
JA2CXF	47,520	161	90	A	JJ1BDX	13,780	84	52	C						UR5EFJ, YO4SI, YO5KAI, YO6EZ				
JK2VOC	43,687	209	79	A	JA2KCY	13,456	78	58	C										
JA2AXB	32,976	155	72	A	JA4BAA	12,878	80	47	C										
JA3UWB	30,550	148	65	A	JH3CUL	12,700	76	50	C										
JE1REU	30,420	143	65	A	JE4MHL	12,690	79	54	C										
JH2HUQ	25,610	116	65	A	JA3DAY	11,058	78	38	C										
JA9VOK	24,816	127	66	A	JK1AJX	10,432	98	32	C										
JR3AAZ	24,300	100	90	A	JA1CPZ	7,840	66	35	C										
J11HFJ	23,680	132	64	A	JA1HG	7,420	61	35	C										
JA1XPU	20,940	106	60	A	J71ABD	5,301	57	31	C										
JH7XMO	18,877	125	43	A	JH0OQL	4,140	53	30	C										
					JA6CYL	4,002	48	29	C										
					JA4AQR	2,760	35	24	C										
					JO1QZI	2,212	36	14	C										
					JJ4PPK	2,108	32	17	C										
					JO3AGQ	1,909	34	23	C										
					JG0AXT	1,360	25	20	C										
					JA1SJR	144	8	8	C										
					JR7HOD	33	5	3	C										
					JF1ABZ	33	3	3	C										
					JO3LDN	15	3	3	C										
					JA1AAT	4	2	2	C										
					JH4UTP (+ packet)														
					513,825	875	155		D										

IARU Headquarters Stations

DA0HHQ (DE1DDH, DF3CB, DF8XC, DG0OHD, DG1BDF, DH4SBO, DH7WW, DJ2MX, DJ7AA, DK1QH, DK4WA, DK7YY, DK8YY, DL1A0B, DL1AUZ, DL1AWI, DL1AXI, DL1DTL, DL1MFL, DL1MGB, DL1VDL, DL2ARD, DL2OAP, DL2OBF, DL2OE, DL3ALI, DL3APO, DL3ARK, DL3DXX, DL3JJ, DL3MXX, DL3OI, DL3T)
16,507,800 18811 450
GB5HQ (G3AB, G3LZQ, G3SJJ, G3SXW, G3TKF, G3TXF, G3WVG, G3XSV, G4AXX, G4BAH, G4BJM, G4BUO, G4BWP, G4BYG, G4EAG, G4FKA, G4FRE, G4JVG, G4KIU, G4KNO, G4OBK, G4PIQ, G4TSH, G4VXE, G0IVZ, G0MTN, G5LP, GM3WOJ, GM0GAV, GW5NF, M0AWI, M0BEW, M0CMK, M0MAT, M3TAY, ops)
15,705,914 12630 427
TM0HQ (F5MZN, F6BEE, F8AKS, F6IFY, F5JSD, F5LEN, F3CW, F5PTM, F8AQK, F5IN, F6FVY, F6DMQ, F6AOI, F6ETI, F6HYE, F6IOC, F8BPN, F5NLY, F6FGZ, F8CRH, F6FNL, F6BGC, F5FLN, F6IRA, F5RXL, F6DZO, F5SJP, F5UAM, OM3CGN, F15452, F18039, ops)
15,394,425 11683 415
R7HQ (RA1ACJ, RA1ARJ, RU1AA, RV1AW, RW1AC, UA1AIP, UA1AKC, UA1ARX, DK4VW, RN2FA, RV3ACA, UA2FB, UA2FF, UA2FM, UA2FZ, UA2FM, RN3AZ, UA6AF, UA9AT, UA9BA, UA9CDC, RA1ACJ, RA1ARJ, RU1AA, RV1AW, RW1AC, UA1AIP, UA1AKC, UA1ARX, DK4VW, RN2FA, RV3ACA, UA2FB, UA2FF)
14,629,338 10865 433
SN0HQ (SP2BZW, SP2FAX, SP2JKC, SP2WKB, SP3DWQ, SP3GEM, SP3HRN, SP3J, SP3RBR, SP3VT, SP4FCG, PA3EYZ, SP4GFG, SP4R, SP4Z, SP5GRM, SP5HNR, SP5UAF, SP6A, SP6CZ, SP6DNS, SP6EKS, SP6G, SP6HEQ, SP6IXF, SP6MQO, SP7GIQ, SP7MTF, SP7NJX, SP7PS, SP7VC, SP8ATI, SP8BRQ)
14,483,480 15257 440
EM5HQ (UT1IA, US2IR, US2YW, UT2II, UT2IJ, UT2IV, UT2IV, ops)
13,425,363 10498 441
9A0HQ (9A1AA, 9A2EU, 9A2R, 9A3HX, 9A4RX, 9A7V, 9A8A, 9A6DM, 9A5KV, 9A2D, 9A5WA, 9A5W, 9A7R, 9A5E, 9A9A, 9A4FM, 9A2SD, ops)
13,085,082 11305 423
IUXHQ (IK0YVV, IK2QEI, I2ZAAJ, I2WIJ, IV3OWC, I4UFH, IV3TAN, ops)
11,905,950 10671 425
YT0HQ (YU1AU, YU1BX, YU1CF, YU1EA, YU1EK, YU1IG, YU1KK, YU1KR, YU1KX, YU1JW, YU1NR, YU1NW, YU1RA, YU1YV, YU1ZZ, YZ1AA, YZ1AU, YZ1KA, YZ1SG, YZ1ZV, YT1RA, YT1HA, YT1NT, 4N1JA, YU7AC, YU7AR, YU7CB, YU7CM, YU7GO, YU7GW, YU7HI, YU7KC, YU7JX, YU7YG, YZTAA, YT7)
11,662,121 10774 421
S50HQ (S50U, S51DM, S51FB, S51UE, S51ZO, S52CW, S52GP, S52QM, S52U, S52W, S53F, S53XX, S53ZO, S54E, S55HH, S56M, S57AW, S57BJ, S57DX, S57IO, S57J, S57M, S57NMQ, S57NRO, S57OAM, S57XX, S58M)
11,311,048 9737 424
OL3HQ (OK1DSZ, OK1AXB, OK1DG, OK1AU, OK1WMV, OK1VWK, OK1MZM, OK1FLM, OK8ANM, OK1WF, OK1FKD, OK1DUT, OK1FUT, OK1FDR, OK1VBA, OK1EP, OK1TA, OK1RI, OK1RF, OK2RZ, OK2BNG, OK1FFU, OK1VSL, OK1HRA, OK1AVY, OK1VD, OK1ZP, OK1JEG, OK2CMW, OK1DUO, ops)
11,254,590 10527 414
OH2HQ (OH2BO, OH2KI, OH2HE, OH6CT, OH7BX, OH5JOC, OH1HD, OH6LI, OH1MDR, OH1MM, DJ2QV, DK3DM, OH6MMC, OH6OS, OH6QU, OH6RX, OH4XX, OH6LNI, OH7HD, OH7HLG, ops)
10,880,332 9283 379
PA6HQ (DH5HV, M0NIQ, PA0JLS, PA1TO, PA1XA, PA3AWW, PA3BAG, PA3BWD, PA3DEW, PA3ELD, PA3EPD, PA3EWP, PA3FDO, PA3FFJ, PA3FQA, PA3FQX, PA3GCV, PA3HFR, PA4LA, PA5ET, PA7MM, PA7UL, PA8AD, PA9JJ, PB0AIU, ops)
10,689,448 9117 392
YL4HQ (YL3DW, YL2PP, YL3DX, YL2KL, YL2BJ, YL1ZF, YL3AD, YL2AG, YL2KF, YL2UZ, YL2KA, YL2FD, YL2GM, YL2TW, ES6DO, YL2GD, YL2SM, YL2KO, YL2PJ, YL2GC, YL3FW, YL2MD, YL3GQT, YL2LY, YL2ON, YL2CI, YL2PA, YL1ZS, YL2HA, ops)
10,625,768 9277 388
LY0HQ (LY2BW, LY2HM, LY2TE, LY1FE, LY2MW, LY1BA, LY1PM, LY2PAJ, LY2GV, LY3MM, LY2IJ, LY2BM, LY2OX, LY3BE, LY1FZ, LY1DS, ops)
9,721,125 8806 375
YR0HW (YO2DFA, YO2LDC, YO2RR, YO3APJ, YO3CDN, YO3CTK, YO3FF, YO3FLR, YO3FRI, YO3GDA, YO3GJC, YO3GOD, YO3HOT, YO3JF, YO3JOS, YO3JR, YO3ND, YO4AB, YO4ATW, YO4NF, YO4SI, YO5AJR, YO5BBO, YO5BLA, YO5OEF, YO5OHO, YO5OQF, YO5PBF, YO5PBW, YO5TE, YO6AWR, YO6BHN)
9,081,457 9258 413
ES9A (ES1AC, ES1AJ, ES1AX, ES1BH, ES1FB, ES1OX, ES1RA, ES2EZ, ES2NA, ES2RJ, ES2RR, ES4BG, ES4BO, ES5MC, ES5MG, ES5QA, ES5QX, ES5RAH, ES5RN, ES5RW, ES5RY, ops)
7,950,063 7517 363

W1AW/3 (K3LR, K8NZ, N3GJ, K3UA, K8AZ, N3RA, K8MR, W9ZRX, W9RE, N9RV, WA3FET, LZ4AX, W2RQ)
7,778,210 7670 341
T90HQ (T94YT, 9A2AJ, T94LW, T95MMX, T94DJ, T92T, T94D, T95A, T94W, T94VT, T95M, T94QI, T94LP, T94LA, T95MQR, T94MZ, 9A7ZZ, 9A5AVC, T99W, T96Q, T93T, T94DU, T92D, T94EB, T95MEQ, T99C, T97C, T94OL, ops)
7,420,350 8409 370
HG0HQ (HA1WD, HA1YU, HA1YA, HA1XY, HA1RS, HA1ZZ, HA1XU, HA1DRR, HA1ZN, HG1ZE, HG1DRB, HA3OD, HA5MO, HA5GY, HA5MA, HA5WE, HA5IW, HA5OM, HA6FQ, HA6GK, HA6IAM, HA6IAB, HA6IHA, HA6ZB, HA6ZQ, HA7MW, HA7JJS, HA5LV, HA8BE, HA8RH, HA8TP, HA8UK, HA8VK, HA8ZO, ops)
7,143,168 7540 393
OEXXHQ
6,990,208 7237 388
JY6ZZ (JY4NE, JY9QJ, JY9NX, ops)
6,229,730 4964 277
NU1AW (K1RX, KF1V, N1IX, WD1V, KT1V, WA1S, W1VE, W1AAX, K1FOO, K2LE, ops)
4,954,896 5157 304
ER7HQ (ER1BF, ER1FF, ER1DA, ER1OM, ER1LW, ER3ZZ, ER3DX, ER4DX, ER5AA, ER5AL, ER5WU, UT7ND)
4,784,976 5089 336
8NxJHQ (JA1KSO, JA7KAC, JR7ISY, JQ1BVI, JH2CMI, JK2XXK, JM2FCJ, JR9FFO, JN2QCV, JJ1BMB, JP1OGL, JA3HXJ, JA3NDM, JJ3WPF, JA3HBF, JF3CCN, JF3PLF, JH3AGV, JH3ERW, JH3GXF, JL3JRY, JR3EOI, JR3NZC, JR4ISF, JE3RZT, JH5JKH, JS3CTQ, JA3KLI, JF3EIG, ops)
4,368,462 6201 329
SK9HQ (SM0GNS, SM3DMP, SM3OSM, SM5DJZ, SM5HJZ, SM5KCO, SM5NBE, SM5SIC, ops)
3,892,030 3955 314
PJ2HQ (PJ2BR, PJ2EN, PJ2VR, PJ2MN, PJ2WOL, PJ2JC, PJ2CFM, K9SG, K4LT, W0CG, ops)
3,650,725 3396 235
CT1REP (CT1BOP, CT1AHU, CT1DIZ, CT1DRB, ops)
2,448,459 3203 221
B4HQ (BA4RC, BA4RD, BA4RF, BA4TB, BD5HAG, BD5RV, BA4ED, BD4RR, ops)
2,302,128 3294 216
LZ0HQ (LZ1QZ, LZ1ZM, LZ2DB, LZ3YY, LZ4ZP, ops)
2,184,028 2862 308
OZ1HQ (OZ0J, OZ1CWP, OZ1DYI, OZ1ETA, OZ1HXQ, OZ4AFQ, ops)
2,019,580 2883 241
ZA1A (DL6LAU, DL8OBQ, ZA1B, ZA1Z, ops)
1,922,032 3469 262
4L0HQ (4L6AM, 4L8A, 4L4AL, 4L2M, ops)
1,405,170 2048 195
EI0HQ (EI2HX, EI2JD, EI4BZ, EI4DW, EI9FIB, EI9IB, ops)
1,100,284 2058 172
YM0KA (TA1E, TA2DS, TA1ZK, HB9DUR, ops)
1,024,200 1325 180
HB9A (HB9FBL, HB9DOS, HB9FAE, HB9DQP, HB9DOM, HB9YC, HB9FBM, HB9ALM, HB9DHG, HB9BZM, ops)
904,720 1881 215
YE0HQ (YB0A, YB0AJR, YB0DPO, YB0ECT, YB0LBK, ops)
821,289 1206 151
VA3RAC (VA3DX, op)
717,576 1231 174
4X4ARC (4Z5MK, 4Z5MU, ops)
675,750 971 170
CX1AA (CX7BY, CX1AG, CX2AD, ops)
655,020 829 180
YV5AJ (YY5AFD, YV5AMH, YY5JMM, YY5RED, YV5NWX, ops)
606,152 1017 136
P40HQ (P43P, op)
368,198 863 94
HS0AC (E21NTS, HS1CKC, HS0ZDZ, ops)
341,582 887 101
ZL6A (ZL2BR, ZL1BHQ, ops)
302,562 579 117
LN2HQ (LA6FJA, LA7EJA, LB1PF, ops)
268,332 717 118
EW5HQ (EW8WA, EW8MW, ops)
189,290 653 115
AT0HQ (VU2UR, op)
61,857 201 87
ZS6SRL (ZS4BS, ZS4MS, ops)
12,636 79 52
HR2RCH (HR2/LU8ERB, HR2RJE, HR2RP, HR2MVD, ops)
2,354 35 22
ZW2HQ 1,080 32 20