Results of the 2007 CQ WW DX CW Contest

BY BOB COX,* K3EST

Expanded CQ WW Contest Results on the Web

Several elements of our contest reporting are on the CQ website, including Station Operators of Multi-Op stations and expanded QRM.To view them go to <http://www.cq-amateur-radio.com/cqwwhome.html>, then click on "Expanded results, 2007 CQ WW CW" and select the category you want to see. You may also get there by going to our home page at <http://www.cq-amateur-radio.com>, clicking on "Contest Rules & Info," then clicking on "CQ World Wide DX Contest" and selecting "Expanded Results, 2007 CQ WW CW."

The 2007 CQ WW DX CW Contest is always an event looked forward to by many contesters around the world. You never know what propagation will provide, but you can be sure the CQ WW will provide activity from stations located in exotic locations. Lots of activity was heard as contesters filled the airwaves. Once again the propagation favored the low bands. One-sixty really showed what it could provide with several stations working over 100 countries. Look at the scores on the low bands and you will see many new records were set. Still, the high bands provided everyone with plenty of contacts. It was a real challenge to be on 10 or 15 meters at the right time to catch the 10-minute opening to somewhere. This "magic" is what makes radio and contesting so much fun. You just never know what the conditions will provide. The sun is taking its time to ramp up the next cycle. Even with a low solar flux index, a new CW logs received record was set. The number of CW entrants is growing right along with SSB.

The CQ WW has something for everyone: contesting, DX hunting, prefix hunting, IOTA activations, club participation and much more. All you have to do to take part in the biggest ham radio contesting event of the year is turn on your radio and listen. If you do that you soon will be drawn into the excitement of making QSOs. Once you jump into the contest, it is very hard to get out of the QSO pool. This year there was activity from over 240 DXCC countries.

As has been mentioned before, the CQ WW is a fantastic competition which brings out the best in amateur radio: team work, station construction, antenna erection, operating skill, and most of fun. The CQ WW is a celebration of ham radio skill and effort. New hams and old timers who participate in the CQ WW become hooked. What follows are the results of the 2007 CQ WW CW contest. Everyone who enters is a winner!

High Power

The High Power Single Operator category is a real challenge. The competition is intense and causes entrants to bring all their skills to the event. Again this year propagation favored the low bands. Conditions on 160 meters were really outstanding. To take advantage of this unexpected windfall, the top operators had to catch the right band openings, especially on 10 meters. The three operators who finished on top of the world are all well-established contesters. After all the log checking was completed, Hrane, YT1AD, operating from 3V2A, had the world's highest score. Hrane put eastern zone 33 on the map. Second place went to John, W2GD, P40W. John put his considerable contesting talent to great use. John said, "I actually enjoy the bottom of the sunspot cycle with its enhanced propagation on 160/80/40. On the other hand, I miss the endless runs of EU and NA on 10 meters. Hopefully next year *both* will be true as the spots begin their return." Third place world went to V47NT operated by Andy, N2LT. He observed, "It's all in the location." This explains all the wonderful DXpeditions during the contest. Travel to a DX location and you too can run them all the time.

In the U.S., Randy, K5ZD/1, continued his dominance of in this category. He sure took advantage of the band openings to overpower his competitors. Second place in the U.S. went to Alexander, LZ4UU, putting K3CR in central Pennsylvania on the map. Third place U.S. was taken by Krassy, K1LZ. He noted, "I am glad that there are still a lot of SO2R operators and friends who gave me a lot of drive for future contests."

In Europe, top honors again were taken by the Azores' station CU2A located in far western Europe. Toni, OH2UA, keyed CU2A to outdistance all competitors. Second place in Europe went to Ben, DL6FBL, who operated from SV9CVY. Ben had a it right when he said, "I knew that with existing propagation most of my QSOs in the contest would be with Europe. The signal path to W/VE is directly over EU, and without sunspots W/VE is far away from here, so chances for good W/VE runs were marginal. Being closer to Asia surely helped regarding signal strength, but QSO numbers are no longer high from that part of the world." Third place in Europe went to Ranko, 4O3A. Special mention must be made of A45XR, who was 5th in the world from Asia. The fine jobs turned in by CN3A (IK2QEI), 9K2HN (KL2A), 6W1RW (F6BEE), and 4LØA (UU4JMG) are all to be commended.

The continental winners were: North America: V47NT (N2NT), Africa: 3V2A (YT1AD), Asia: A45XR, Europe: CU2A (OH2UA), Oceania: VK9AA(VK2IA), South America: P40W (W2GD), Japan: JH4UYB, and U.S.: K5ZD/1.

Low Power

Low Power is the most popular CQ WW category. Anyone with a transceiver and an antenna can enter the low power group. To end up on top in LP takes skill, planning, and operating from the right location. The saltwater enhancement provided by an island location sure makes up for monster antennas. However, if you want to try to finish near the top of the Low Power category, you will have to put in a real effort.

Perennial low power winner Bud, AA3B, again keyed V26K to number one world. Second place world went to Dimitri, RA3CO, who traveled to Colombia to activate HK1AR. Great job, Dimitri. Third place in this tough category went to H7/K9NW. Mike says, "Spent very little time tuning for mults but ultimately a decent number found me and I ended up with a reasonable score to boot." You sure did!

Reprising his SSB win, Art, K1BX, took top U.S. honors. He put together the right strategy to win. Still he commented, "Gave up lots of 20-meter QSOs to get mults on 10 and 15." A lot of people probably did the same thing. Second place U.S. went to Paul, K1PT. Third place went to Marvin, N5AW. Marv had over 100 countries on 40 meters low power. That is not easy.

The top European scorer was CT6A operated by Filipe, CT1ILT. Filipe had this to report, "160 meters was great to USA. I just don't understand how USA could hear me quite well and Europeans couldn't! I was just sorry not

Dani, EA5FV, was #1 All Band, High Power for Spain.

Darko, J28OO (T95A), gave out a new one, Djibouti, to many.

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TROPHY WINNERS AND DONORS

SINGLE OPERATOR
ALL BAND
World
3V2A (Opr.: Hrane Milosevic, YT1AD)
Donor: K4FW Memorial (Scott Robbins, W4PA)

World Low Power
V26K (Opr.: Joseph Trench, AA3B)
Donor: Slovenia Contest Club

World QRPp
6V7D (Opr.: Paul Young, K1XM)
Donor: Gene Walsh, N2AA

World Assisted
ERØWW (Opr.: Sergiy Rebrov, UT5UDX)
Donor: Robert McGwier, N4HY

USA
Randy Thompson, K5ZD/1
Donor: Frankford Radio Club

USA Low Power
Arthur Hambleton, K1BX
Donor: North Coast Contesters

USA QRP
K8CC (Opr.: Ulrich Ann, KK8I)
Donor: Gene Zimmerman, W3ZZ

USA - Zone 3
Glenn Rattmann, K6NA
Donor: Central Arizona DX Association

USA - Zone 4
Alex Tkatch, KU1CW/Ø
Donor: The Society of Midwest Contesters

Canada
Jeffrey Briggs, VY2ZM
Donor: John Sluymer, VE3EJ & Jim Roberts, VE7ZO

Carib./C.A.
V47NT (Opr.: Andrew Blank, N2NT)
Donor: Chuck Shinn, W7MAP

Europe
CU2A (Opr.: Toni Linden, OH2UA)
Donor: W3AU Memorial (Pete Raymond, N4KW)

Europe - Low Power
CT6A (Opr.: Filipe Monteiro Lopes)
Donor: Scott Jones, N3RA & Tim Duffy, K3LR

Scandinavia
OF8X (Opr.: Marko Holmavuo, OH4JFN)
Donor: W3FYS Memorial (Chas Weir, Jr., W6UM)

Russia
Vadim Ovsiannikov, UA9CLB
Donor: Roman Thomas, RZ3AA

Africa
CN3A (Opr.: Stefano Brioschi, IK2QEI)*
Donor: Gordon Marshall, W6RR

Asia
Chris Dabrowski, A45XR
Donor: Chuck Shinn, W7MAP

Japan
Masaki Masa Okano, JH4UYB
Donor: Tack Kumagai, JE1CKA

Japan - Low Power
Nobuhiro Iwasa, JH8SLS
Donor: Western Washington DX Club

Oceania
VK9AA (Opr.: Bernd Langer,VK2IA)
Donor: Chris Tran, ZL1CT

South America
P40W (Opr.: John Crovelli, W2GD)
Donor: Venezuela DX Club

SINGLE OPERATOR, SINGLE BAND
World - 28 MHz
Juan Manuel Morandi, LU1HF
Donor: Joel Chalmers, KG6DX

World - 21 MHz
ZX5J (Opr.: Cark Cook, AI6V)
Donor: Lew Sayre, W7EW

World - 14 MHz
CN2AW (Opr.: Andrei Karpov, RV1AW)
Donor: W2JT Memorial (North Jersey DX Assn.)

World - 7 MHz
9Y4AA (Opr.: James Neiger, N6TJ)
Donor: Alex M. Kasevich, VP2MM

World - 3.5 MHz
CN2FB (Opr.: Dmitri Gorshkov, UA2FB)
Donor: Fred Capossela, K6SSS

World - 1.8 MHz
CN2FF (Opr.: Vladimir Gumennikov, UA2FF)
Donor: Kenneth Byers, Jr., K4TEA

USA - 28 MHz
Courtney Judd, K4WI
Donor: Wireless Institute of the Northeast

USA - 21 MHz
John S. Jarrett, K4FJ
Donor: Wayne Carroll, W4MPY

USA - 14 MHz
Ralph W. Bradford, Jr, K5GA
Donor: Northern Illinois DX Association

USA - 7 MHz
Paul H Newberry, Jr., N4PN
Donor: W6AM Memorial (Jan Perkins, N6AW)

USA - 3.5 MHz
Robye Lahlum, W1MK
Donor: Bill Feidt, NG3K

USA - 1.8 MHz
Theodore J. Demopoulos, KT1V
Donor: Jeff Briggs, K1ZM

Canada (14 MHz)
Christopher Llewellyn Allingham, VE3FU
Donor: John Sluymer, VE3EJ

Carib./C.A.(14 MHz)
HP1/DJ7AA (Opr.: Wilfried Gottschald, DJ7AA)
Donor: Bill Hein, NT1Y

Europe - 28 MHz
Meho Omerbasic, T93O
Donor: Jay Pryor, K4OGG

Europe - 21 MHz
Kresimir Kovarik, E7/9A5K
Donor: Robert Naumann, W5OV

Europe - 14 MHz
CT8T (Opr.: Timo Klimoff, OH1NOA)
Donor: G3FXB Memorial (Maud Slater)

Europe - 7 MHz
OK5C (Opr.: Jiri Pesta, OK1RF)
Donor: Ivo Pezer, 9A3A

Europe - 3.5 MHz
ZB2X (Opr.: Jorma Saloranta, OH2KI)
Donor: K3VW Memorial (Frankford Radio Club)

Europe - 1.8 MHz
Jerzy Stanisz, SP3BQ
Donor: Pat Barkey, N9RV & Terry Zivney, N4TZ

Japan - 21 MHz
Yasuji John Okamoto, JR3EOI
Donor: CQ magazine

Japan - 14 MHz
Kenji Koishi, JH3AIU
Donor: Chris Terkla, N1XS

Asia – 14 MHz
Steve Hodgson, ZC4LI
Donor: Andei Stchislenok, NP3D

MULTI-OPERATOR, SINGLE TRANSMITTER
World
C4N (Oprs.: 5B8AD, RV6LNA, RW4WR, UA9CDV, RN3QY)
Donor: Anthony Susen, W3AOH

U.S.A.
W3BGN (Oprs.: W3BGN, K2TW, NO2R)
Donor: Douglas Zwiebel, KR2Q

Canada
VE3HG (Oprs: VE3HG, VE3KZ, VE3JAQ, VA3EC, VA3HJ, VA3GGF, VE3RZ)
Donor: Eastern Canadian DX Assn.

Carib./C.A.
6Y1V (Oprs.: KY1V, W4OI, OH3RB)
Donor: Lone Star DX Association

Africa
S79UU (Oprs.: UA3AB, RA3AUU)
Donor: Harry Booklan, RA3AUU

Asia
RT9W (Oprs.: RU9WX, RX9WR, RW9WW, UA9WFM, RV9WHZ, RA9WW, R9W-498, RA9WR)*
Donor: Steve Merchant, K6AW

Europe
9A7A (Oprs.: 9A2X, 9A3TR, 9A3OS, 9A5X, 9A7V)
Donor: Bob Cox, K3EST

Japan
8N7TU (Oprs.: JE7HLZ, JG7PSJ, JO7JID, JO7DJT, JI5RPT, JJ5DWF, JHØNZN)
Donor: Madison Jones, W5MJ

Oceania - Pacific Rim
AH2R (Oprs.: JI3ERV, JR7OMD, JR8VSE, JE8KKX, JK3GAD)
Donor: Junichi Tanaka, JH4RHF

South America
PS2T (Oprs.: PS2T, PY2NDX, PY2YU, PY2EX)
Donor: Araucaria DX Group

MULTI-OPERATOR, TWO TRANSMITTER
World
HC8N (Oprs.: N5KO, K6AW, N5OT, W9RE)
Donor: Array Solutions

USA
N3RS (Oprs.: N2SR, N3RD, N3ED, N3NA, N3RS, WA3LRO, W2UP, W8FJ)
Donor: Eric Scace, K3NA

Europe
EA6IB (Oprs.: EA3AIR, EA3ALZ, EA3AVV, EA5BM, EA5GX, EA6BF, EA6FB, EA6FO, OZ1AA)
Donor: Aki Nagi, JA5DQH

MULTI-OPERATOR, MULTI-TRANSMITTER
World
3X5A (Oprs.: AA7A, G3SXW, G4BWP, G4IRN, GM3YTS, K4UEE, KC7V)
Donor: K2GL Memorial (Doug Zwiebel, KR2Q)

USA
W3LPL (Oprs.: W3LPL, K1HTV, NI1N, N2YO, ND3A, WX3B, N3KS, AI3M, K3MM, N3OC, K3RA, K3RV, N3UA, WR3Z, W3ZZ, KD4D, K4ZA, AC6WI)
Donor: N6RJ Memorial (Bob Ferrero, W6RJ)

Europe
LZ9W (Oprs.: LZ1PM, LZ1ZD, LZ1ANA, LZ1RGM, LZ1UQ, LZ1FG, LZ1PJ, LZ1GC, LZ1ZF, LZ4UU, LZ2CJ, LZ2FV, LZ2PO, LZ2UU, LZ2UZ, LZ3FN, LZ3FM, LZ3UM, LZ3SM, LZ4TX)
Donor: Finnish Amateur Radio League

Japan
JA5FDJ (Oprs.: JA1VQN, JM1UWB, JA5FDJ, JA5JCC, JH5FIS, JH5FXP, JH5RXS, JR5JAQ, JR5VHU. JJ6WYS)
Donor: Ryozo Goto, JH3JYS

WORLD – MULTI-MULTI SSB/CW COMBINED
K3LR: 29,908,123 Points
Donor: WØID Alpha Award

USA - MULTI-MULTI SSB/CW COMBINED
K3LR: 29,908,123 Points
Donor: N8SM Memorial (Operators of K3LR)

CONTEST EXPEDITIONS
World Single Operator
VK9AA (Opr.: Bernd Langer, VK2IA)
Donor: Friends of Phil Goetz, N6ZZ

WORLD MULTI-OP
3X5A (Oprs.: AA7A, G3SXW, G4BWP, G4IRN, GM3YTS, K4UEE, KC7V)
Donor: Carl Cook, AI6V

SPECIAL - SINGLE OPERATOR AWARD
World SSB/CW Combined
8P5A (Opr.: Thomas Georgens, W2SC)
20, 613,468 Points
Donor: Hrane Milosevic, YT1AD

CLUB
World SSB/CW
Frankford Radio Club (266,909,574)
Donor: W1WY Memorial (CQ magazine)

Non-USA SSB/CW
Bavarian Contest Club (258,978,970)
Donor: N6AUV Memorial
(Northern California Contest Club)

** Second Place*

Nodir, EY8MM, was #3 World on 1.8 MHz.

World #3, 28 MHz, was Rene, LU7HN.

Kevin, K4PG, did a fine job on 7 MHz.

having made a single QSO on 10 meters." Second place in Europe went to John, OM5XX. Third place went to OL6P, operated by Petr, OK2WTM. Special mention is made of the efforts of Willy, UA9BA, who was #5 in the world from zone 17! Turning in fine efforts were J88DR, C6AQQ, and EA8CN.

The continental winners were: North America: V26K (AA3B), Africa: EA8CN, Asia: UA9BA, Europe: CT6A (CT1ILT), Oceania: 9M6AAC (N1UR), South America: HK1AR (RA3CO), Japan: JH8SLS, and U.S.: K1BX.

QRP

The QRP category sure sharpens your search-and-pounce skills. Five watts can be lost in the QRM unless you happen to time your calls just right. Paul, K1XM, traveled to Senegal and activated 6V7D to take the top world QRP position. Paul commented, "Thanks to everyone who heard my weak signal, and especially to Francois, 6W7RV, for his help. Maybe this wasn't the best year to try QRP, but I operated low power last year and wanted to do something different." Congratulations, Paul! Second place world went to Didier, FY5FY. He said he had "poor 10 meters this year but some amazing QSOs on 160 with 5 watts." Rounding out the top world three was K8CC operated by Uli, KK8I. K8CC was also number one in the U.S. Uli made an interesting observation: "Propagation for a QRP station differs from propagation when running high power. While this seems to be obvious, a certain fluttery (I called it 'glazing') sound on the signals indicates that you will not get through with QRP despite a strong signal of the station you are trying to reach. You have to find the good waves in the ocean and ride them as long as you can. Typically, a good propagation situation does not last long for a QRP station, and you have to frequently look for opportunities on other bands."

Second place in the U.S. went to Doug, KR2Q, from northern New Jersey. Third place went to Tom, N1TM. Apparently Tom's antenna could only rotate between 0 and 115 degrees! QRP and 115 degrees to work with, wow!

In Europe, Antonin, OK7CM, keyed his way to first place. Just to the west was second place, Stefan, OM7DX, while third place went to Milan, OL4W (OK1IF), who rightly states the converse of the common idiom: "Life isn't so long to spend it with QRO." A special mention is made of the fine efforts of JR4DAH, SU8BHI, RA9SC, W6JTI, and V73NS.

The continental winners were: North America: K8CC (KK8I), Africa: 6V7D (K1XM), Asia: JR4DAH, Europe: OK7CM, Oceania: V73NS, South America: FY5FY, Japan: JR4DAH, and U.S.: K8CC (KK8I).

Assisted

The traditional QSO-alerting system has undergone a technical leap since the 2007 contest. The availability of CW decoding devices over a wide spectrum has stirred up a lot of interest. It will be interesting to see how "Skimmer or Skimmer-like" technology will change how assisted stations operate. As the rules indicate (see the 2008 contest rules elsewherein this issue), use of these devices places the entrant in the Assisted category. *CQ* embraces these exciting new technologies.

This year's world top score went to Sergey, UT5UDX. He keyed ERØWW to #1 world and #1 Europe. Sergey commented, "Enjoyed the contest a lot. Congratulations to all my friends who made a good score under difficult conditions." Second place world and second place in Europe went to Manfred, operating from beautiful southern Germany. Manfred said, "Quite astonishing what can be worked during the bottom of the sunspot cycle, but CQWW has its own rules with great activity. Long live CW!" We second that opinion! Third place in the world went to Ricardo, CT3KN. Third place in Europe went to HG3DX, operated by HA3MY. Here in the U.S., the Frankford Radio Club prevailed by taking all three top slots. Charles, K3WW, who constantly finishes in the top two U.S. Assisted, took top honors. Second place in the U.S. went to Rick, K3OO, and third place went to Noah, K2NG. Special mention is made of the trio of assisted stations who gave everyone nice multipliers: IH9U, IH9R, and IH9M. Also, XW1B and T88FY sure put in real FB efforts from nice DXCC multipliers.

The continental winners were: North America: K3WW, Africa: CT3KN, Asia: 4L8A, Europe: ERØWW (UT5UDX), Oceania: T88FY (JK2VOC), South America: CE4CT, Japan: JH3PRR, and U.S.: K3WW.

Multi-Single

With special permission from the Cyprus PTT, the callsign C4N was put on the air and boy did they do a good job. This all-Russian team took the top world honors in this very competitive category. It took a lot of work and coordination to put their effort together. Congratulations! Second place world went to the PS2T team. They sure had the right idea when they said, "The operators maintained during all the contest a high level of sport spirit and motivation." World third place and #1 in Europe went to

Making the top ten USA, High Power was Lew, N2LT.

9A7A. Their very first activity from their new location was in 1989, and their special contest callsign (9A7A) was issued in 1992. They summed up a lot of feelings that we share when they said, "Everything we have achieved in the contests is the result of our friendship, as well as a love for our hobby." Second in Europe went to the team at OM8A, the Slovak Contest Group. What a great job they put together. Third place in Europe went to 9A1P. We think they summed up the thoughts of most contesters when they said, "Another great weekend with lot of fun. Conditions were bad on the upper bands, 10 meters almost completely closed, 15 meters had very short openings, and 20 meters was closed pretty early. On the other hand, 40 and 80 meters were quite good and 160 was excellent." In the U.S., last year's top two finishers reversed positions. Frankford Radio Club's W3BGN took top honors, while Tom's team at K8AZ took second. Moving into third place was the all-wires-in-trees team at KT3Y/4. All top three U.S. teams broke the 5-million point barrier.

The continental winners were: North America: 6Y1V, Africa: S79UU, Asia: C4N, Europe: 9A7A, Oceania: AH2R, South America: PS2T, Japan: 8N7TU, and U.S.: W3BGN.

Multi-Two

The Multi-Two category is a way to have a lot of fun and make a lot of QSOs. The three top world stations all operated from island QTHs. The famous station HC8N operators once again demonstrated their operating and copying skills by taking first place. They commented, "Nice weekend working the world. Great competition in the M2 category. Thanks to all the ops who go to special places to make this such a fun event." Second place went to the

EF8M Russian team. We heard a lot from EF8M during the CQ WW CW and their newly upgraded station. Third place in this increasingly interesting category went to D4C, an Italian, Latvian and Lithuanian team. They commented, "First try from Monteverde and it was a great experience which we never had experienced in the past." In the U.S. Sig's team at N3RS took top honors from just west of Philadelphia. Second place went to K1AR operating from the K1EA QTH. Third went WE3C, who commented, "We were pleased with the results of our first CW Multi-Two effort." Over in Europe, top honors went to EA6IB. They put on another effort from the lovely island of Ibiza. EA6IB said, "Thanks to all of you and especially to the European M2 groups for a great and competitive weekend." Second place in Europe went to the long-time famous team from IR4X. They said, "Thanks to all for calling us and to all the contesters traveling around the world to activate such a great numbers of countries." Third place in Europe went to T93J, whose 160- and 80-meter antennas seemed to perform very nicely. They said, "The Beverage redesign helped us to hear many more multipliers on 80 and 160 meters."

The continental winners were: North America: HI3A, Africa: EF8M, Asia: P3F, Europe: EA6IB, Oceania: KH6LC, South America: HC8N, Japan: JA1YPA, and U.S.: N3RS.

Multi-Multi

Top honors in this difficult category went to 3X5A. Their DXpedition included a long two-day drive from Bamako, Mali to Conakry, Guinea and four long work days in the heat and humidity to be ready in time for the contest. Great job, guys! Taking second place in the world was the Rhein-Ruhr DX Association DXpedition station, ED8A. The RRDXA always brings enthusiasm and expertise to anything it does. Finishing third in the world and first in Europe was LZ9W. They commented, "Building a competitive M/M station is a *big* task. Rebuilding it, is in some aspects, an even bigger one. It took one *loong* year to rebuild LZ9W." It paid off. In the U.S., first place in this very tough category really means something. In 2007 the winner was W3LPL with the Potomac Valley Radio Club crew. Quite a lot of local talent under one roof! Second place went to K3LR. Tim's doors are always open to available talent and his team did a superb job as usual. K3LR also received the World and U.S. Combined SSB/CW trophies, quite an honor. Third place in the U.S. went to Matt's team at KC1XX. His 20-meter operator was KC1F, who became a SK in 2008. Stu was a gentleman and dedicated contester. He will be missed. Second place in Europe went to DFØHQ of the RRDXA. They expressed a wish we all hope for, "It was fun but we hope there will be some sunspots in 2008!" Third place in Europe went to DR1A of the BCC. They are hoping for more sunspots in 2008 as well.

A special mention must be made of the fine crew from China, B1Z. All of us hope to see them back this year. Finally, the competition in Japan for MM top honors for the last decade has been between two fine stations,one located in Shikoku (JA5FDJ) and the other in Nara (JA3YBK). Sadly, the leaders of both teams became SKs recently. It is a tribute their memory that these teams continue their excellent tradition.

The continental winners were: North America: J3A, Africa: 3X5A, Asia: JA5FDJ, Europe: LZ9W, Oceania: KH7X, South America: No Entrant, Japan: JA5FDJ, and U.S.: W3LPL.

Club Scores

The social life-blood of ham radio is radio clubs. By belonging to a radio club you have a front-row seat to many sources of information on all radio subjects, including contesting. As you know, it is no trouble to linger around after a club meeting and talk about contesting for hours. "Did you work that opening to Asia on 21 MHz at midnight?" could be just one of hundreds of topics covered everyday by contesters.

The combined scores of the top four world club scores topped a billion points! Many of the DXpeditions are initiated to help a club's bottom line. The world's top club score was the Frankford Radio Club. With 145 entrants, the club sure had a big point total per entrant: 1.5-million points. What a great job. Second place in the world went to perennial powerhouse the Yankee Clipper Contest Club. Third place U.S. went to the Potomac Valley Radio Club. Each of these clubs has a long tradition of full commitment to the contest. Clubs encourage activity and that is good for amateur radio and contesting.

For many years now, there has been a friendly rivalry in Germany between the RRDXA and the BCC. This year the Bavarian Contest Club edged out the Rhein-Ruhr DX Association for first place non-U.S. and third place world. Third place non-U.S. went to Contest Club Finland.

Thanks to all the clubs that sent in scores. Clubs can help us a great deal by making sure that all their entrants use the same name for their club on their Cabrillo submission. One major club had 15 variations of its club name! To arrive at a correct score total for a club is a *lot* of extra work when we encounter variations of club names.

Team Contesting

Get together five contesters from anywhere in the world to form a team. As you can see below, the Phil Goetz Memorial Team took away top honors. The team had some top finishers in the contest. Second place went to the Pile-up Survivors made up of calls that are very recognizable. Third place went to the Code Sharks. You can send your team registration via e-mail to <teams@cqww. com>, or fax or mail to CQ magazine. You will receive an acknowledgement when sending via e-mail.

Here is the 2007 lineup:

1. Phil Goetz Memorial Team: CT3NT (CT1BOH), 9Y4AA (N6TJ), V47NT (N2NT), HQ2A (N6AA), 9K2HN (KL2A): 27,487,938

2. Pile-up Survivors: 8P5A (W2SC), ERØWW (UT5UDX), P49Y (AE6Y), VC3J (VE3EJ), VE2IM (VE3DZ): 25,655,284

3. Code Sharks: ZS1EL, ZS9X (ZS4TX), V26K (AA3B), VE1OP, PZ5X (K5UN): 19,123,352

TOP SCORES

World

Single Operator All Band

3V2A	13,112,736
P4ØW	10,673,421
V47NT	9,695,355
8P5A	9,040,800
A45XR	8,684,269
CN3A	8,353,488
9K2HN	8,287,614
CU2A	7,400,808
6W1RW	7,400,808
4LØA	7,297,524

28 MHz

LU1HF	198,275
YM2W	54,595
T930	47,700
YU2A	18,450
OGØZ	17,325
9A5MT	14,508

21 MHz

ZX5J	1,384,497
LS1D	1,194,638
LU7HN	1,060,663
ZPØR	972,332
E7/9A5K	491,400
KH7Y	478,084

14 MHz

CN2AW	1,387,176
ZC4LI	1,294,033
HP1/DJ7AA	1,244,796
C4I	1,219,239
CT8T	984,370
S57AL	779,436

7 MHz

9Y4AA	1,674,456
EA8/OH4NL	1,595,698
P49Y	1,411,840
E7/9A8A	1,103,256
OK5C	1,100,486
CW6V	984,872

3.5 MHz

CN2FB	1,590,288
ZB2X	683,240
TM6A	598,884
UN4L	588,846
C4M	575,100
OHØR	537,695

1.8 MHz

CN2FF	618,849
CN2R	559,860
EY8MM	343,012
SP3BQ	268,499
LY2IJ	266,124
SN7Q	260,064

Low Power All Band

V26K	7,220,340
HK1AR	6,913,397
H7/K9NW	6,065,800
CT6A	4,987,632
UA9BA	3,215,660
J88DR	3,066,388
C6AQQ	2,978,024
OM5XX	2,387,938
EA8CN	2,375,460
ZS6AA	2,362,222

28 MHz

LW6DW	21,840
PU2MTS	19,278
OM3OM	9,322
PY2SRB	8,112
9A3VM	7,440
IZ8DVD	6,292

21 MHz

9G5XA	492,282
PY2NA	397,600
CO8LY	346,203
EA8FT	280,125
XR3A	257,982
A35RK	234,960

14 MHz

C6AKX	807,696
WP3C	785,188
OH1VR/VP9	546,763
9G5ZZ	527,730
LZ9X	505,158
9A3B	474,320

7 MHz

TC3A	1,423,800
C6ATA	1,142,803
6W1SJ	920,880
VP2EDL	513,291
OK1TN	297,360
ZL4LW	293,760

3.5 MHz

HA8KW	195,707
9A6M	181,170
9A4C	180,264
4L2M	169,400
EA7RM	150,282
YT8T	139,480

1.8 MHz

TA2RC	129,204
YL4U	70,490
OE3BCA	64,200
SQ1K	43,200
G3WPH	37,961
SM5MX	36,381

QRP All Band

6V7D	2,602,192
FY5FY	2,033,714
K8CC	973,588
OK7CM	777,362
KR2Q	692,982
OM7DX	608,190
OL4W	511,368
US2IZ	429,351
HA6IAM	411,201
JR4DAH	401,250

Assisted All Band

ERØWW	6,272,022
DJ5MW	5,225,924
CT3KN	5,213,853
4L8A	4,824,600
HG3DX	4,529,600
K3WW	4,513,465
K3OO	4,221,000
CE4CT	4,167,392
K2NG	3,876,374
YO9HP	3,635,916

Multi-Operator Single Transmitter

C4N	17,015,112
PS2T	14,239,493
9A7A	10,575,896
6Y1V	10,377,640
OM8A	10,127,145
ZY7C	9,593,955

Multi-Operator Two Transmitter

HC8N	28,736,800
EF8M	27,660,420
D4C	23,954,832
PJ2T	20,759,622
PJ4A	20,715,138
P3F	20,468,448

Multi-Operator Multi-Transmitter

3X5A	36,547,280
ED8A	18,146,604
LZ9W	16,177,421
J3A	15,100,800
W3LPL	13,939,191
K3LR	13,247,624

United States

Single Operator All Band

K5ZD/1	6,399,360
K3CR	5,330,100
K1LZ	5,093,565
K1DG	5,001,120
W1KM	4,433,030
K4ZW	3,900,600
AA1K/3	3,864,576
N2IC/5	3,838,352
N2LT	3,538,836
K1ZZ	3,112,416

28 MHz

W2RR	4,144

21 MHz

K4FJ	159,616
W6YA	92,977
KT8X	34,629
K4PIC	16,425
AI9T	15,792
K4CEB	9,666

14 MHz

K5GA	424,960
K8DD	344,904
W7WA	320,850
K1IM	262,409
KK9A/4	246,192
W8TWA	126,362

7 MHz

N4PN	665,533
N2MF	413,660
K7AO	190,057
W1XX	149,688
K5NZ	144,305
KT5E	115,115

3.5 MHz

W1MK	426,313
K6OY	172,386
W3NO	109,215
AA7JV	101,660
W9GE	79,911
K3FN	78,369

1.8 MHz

KT1V	117,165
K4PI	71,583
WF2W	43,788
K5RX	31,752
W3GH	25,972
W2VO	21,409

Low Power All Band

K1BX	2,056,800
K1PT	1,596,232
N5AW	1,506,560
N4TZ/9	1,450,400
K2PS	1,294,272
N2MM	1,270,320
W3AU/4	1,246,768
K3AU	1,178,739
KS1J	1,175,853
N8AA	985,886

28 MHz

K4WI	4,392
K9WZB	1,998

21 MHz

W4IX	124,740
WB4TDH	86,760
N1NK	63,547
WØPC	1,275
W3EH	638

14 MHz

W1MU	446,090
KD2RD	339,880
N4MO	181,090
N4IJ	172,205
K2MFY	162,347
N5DO	155,774

7 MHz

N4PSE	80,040
W4/KH6NF	56,571
K4PG	40,420
N5ER	27,412
WA2ASQ/4	18,576
AA7AX	18,318

3.5 MHz

NS3T	54,390
K2RR	31,648
W8GG	22,590
KØPJ	20,746
W1NK	11,610

1.8 MHz

N2WN	27,846
W8LRL	21,939
K8BL	4,715
W7RH	2,695
K3BU	1,200
KR4OW	260

QRP All Band

K8CC	973,588
KR2Q	692,982
N1TM	295,293
W6JTI	288,024
AA1CA	147,180
K8ZT	128,896
KT8K	120,288
NU4B	97,194
WA3NKO	79,744
KIØG	69,102

Assisted All Band

K3WW	4,513,465
K3OO	4,221,000
K2NG	3,876,374
N3AD	3,154,104
KI1G	3,030,880
K3PH	2,674,812
N4WW	2,655,576
N2NL	2,655,240
W1AO	2,586,875
N1DG	2,181,912

Multi-Operator Single Operator

W3BGN	5,606,054
K8AZ	5,251,870
KT3Y/4	5,115,558
K1IR	4,497,520
K2LE/1	4,092,351
W3UA	3,976,562

Multi-Operator Two Transmitter

N3RS	10,871,328
K1AR	9,665,3624
WE3C	9,374,886
NY4A	8,377,544
K1RX	5,841,844
KØTV	4,633,848

Multi-Operator Multi-Transmitter

W3LPL	13,939,191
K3LR	13,247,624
KC1XX	12,761,902
NQ4I	9,702,672
K1TTT	9,144,404
W2FU	7,830,540

Europe

Single Operator All Band

CU2A	7,400,808
SV9CVY	6,986,736
4O3A	6,942,915
9A1A	5,765,256
S5ØA	4,851,392
UU7J	4,815,774
HA8JV	4,447,950
M6T	4,122,914
YQ9W	4,032,426
TM6X	3,951,600

28 MHz

T93O	47,700
YU2A	18,450
OGØØZ	17,325
9A5MT	14,508
S57S	14,124
LZ1NG	6,820

21 MHz

E7/9A5K	491,400
S5ØK	419,136
YT9X	371,112
YU1OJ	359,595
9A4D	351,354
9A5D	305,322

14 MHz

CT8T	984,370
S57AL	779,436
YT5G	755,790
YT3M	659,502
G3TXF	624,024
GW8GT	588,756

7 MHz

E7/9A8A	1,103,256
OK5C	1,100,486
ISØN	882,266
S52AW	826,020
UT7QF	740,684
OH2BH	718,718

3.5 MHz

ZB2X	683,240
TM6A	598,884
OHØR	537,695
YT3A	521,420
S53MM	500,856
OK2BYW	466,439

1.8 MHz

SP3BQ	268,499
LY2IJ	266,124
SN7Q	260,064
OHØM	192,720
DJØMDR	169,740
YLØA	162,996

Low Power All Band

CT6A	4,987,632
OM5XX	2,387,938
OL6P	2,301,740
LY6M	1,833,720
F6HKA	1,717,242
OM5CD	1,697,688
DC4A	1,563,588
YT2RX	1,476,096
S51F	1,473,960
EA2AZ	1,466,082

28 MHz

OM3OM	9,322
9A3VM	7,440
IZ8DVD	6,292
LZ1AG	1,872
HA3GQ	1,120
YO5ALI	1,050

21 MHz

YT5C	194,552
ISØ/OLØA	153,912
OK2N	120,150
RA6YY	104,412
EA6UP	99,576
RX6AH	87,468

14 MHz

LZ9X	505,158
9A3B	474,320
EA7TN	442,776
HA8IH	405,275
LZ6W	291,336
HA3LN	289,488

7 MHz

OK1TN	297,360
T99W	283,200
S54A	270,254
YO5KDX	227,694
SN3X	214,720
SP6OJE	196,544

3.5 MHz

HA8KW	195,707
9A6M	181,170
9A4C	180,264
EA7RM	150,282
YT8T	139,480
GU4YOX	135,729

1.8 MHz

YL4U	70,278
OE3BCA	64,200
SQ1K	43,200
OMØTT	41,683
G3WPH	37,961
SM5MX	36,381

QRP All Band

OK7CM	777,362
OM7DX	608,190
OL4W	511,368
US2IZ	429,351
HA6IAM	411,201
YO3APJ	350,030
DF1DX	342,608
OK1JOC	293,440
UA6LCJ	269,010
S59D	263,384

Assisted All Band

ERØWW	6,272,022
DJ5MW	5,225,924
HG3DX	4,529,600
YO9HP	3,635,916
YT5A	3,510,340
S57DX	3,389,244
RW6HX	3,252,200
DL7ON	2,896,656
S59ABC	2,859,696
F8CMF	2,784,250

Multi-Operator Single Operator

9A7A	10,575,896
OM8A	10,127,145
9A1P	9,331,833
OM7M	8,529,392
T93M	7,762,080
HG1S	7,654,339

Multi-Operator Two Transmitter

EA6IB	14,179,922
IR4X	12,704,006
T93J	9,674,577
RU1A	9,424,382
EE2W	8,790,136
Z37M	8,601,198

Multi-Operator Multi-Transmitter

LZ9W	16,177,421
DFØHQ	13,115,189
DR1A	11,909,092
OE2S	7,640,938
SK3W	6,449,720
LY7A	5,508,506

BAND-BY-BAND BREAKDOWN—TOP ALL BAND SCORES

Number groups indicate: QSOs/Zones/Countries on each band

WORLD TOP SINGLE OPERATOR ALL BAND

Station	160	80	40	20	15	10
3V2A	322/12/59	1231/24/86	1925/30/103	2148/30/94	1599/31/94	190/8/37
P4ØW	428/16/68	1009/24/92	1251/28/98	1637/28/104	1679/25/103	102/14/27
V47NT	239/14/45	555/21/80	2373/32/113	1972/31/109	1789/22/94	68/12/18
8P5A	367/14/51	841/24/83	1589/31/101	1782/31/104	1773/28/93	213/13/27
A45XR	157/14/52	553/22/76	1723/33/118	1397/33/111	1169/31/103	64/18/38
CN3A	221/12/49	896/24/75	1291/25/92	1224/28/91	1381/25/96	248/12/43
9K2HN	247/12/55	1065/25/86	1346/32/105	1137/34/105	1155/28/96	36/18/30
6W1RW	25/10/23	344/20/66	815/26/80	1318/30/103	1897/29/111	223/13/53
4LØA	263/11/53	1033/25/85	1532/27/92	864/24/75	853/29/87	315/9/41
V26K	186/11/28	565/19/72	1818/28/102	1422/29/98	1434/23/91	101/13/26

USA TOP SINGLE OPERATOR ALL BAND

Station	160	80	40	20	15	10
K5ZD/1	220/17/68	639/25/101	773/30/115	1293/31/118	501/24/100	29/11/20
K3CR	110/18/61	667/26/97	566/30/111	1176/32/122	467/26/95	35/10/24
K1LZ	205/14/66	701/25/103	699/34/122	1088/30/113	313/21/97	21/8/12
K1DG	147/18/73	571/22/87	747/29/103	1276/27/102	277/24/94	21/9/16
K3WW	117/18/71	468/25/103	632/34/125	862/31/125	388/23/94	29/12/24
W1KM	152/15/62	676/25/92	607/28/105	1012/25/104	314/23/81	14/9/12
K3OO	107/16/59	407/25/98	463/32/119	958/30/123	301/27/103	35/12/26
K4ZW/3	81/17/47	439/25/75	579/31/104	1351/30/112	154/21/70	14/8/10
K2NG	111/18/76	260/27/113	462/39/142	534/36/145	442/27/119	53/11/29
AA1K/3	143/20/62	447/21/85	471/28/101	1034/29/107	361/22/87	27/10/20

WORLD MULTI-OPERATOR SINGLE TRANSMITTER

C4N	384/18/75	759/31/105	2431/38/138	2086/38/144	1379/32/136	429/16/70
PS2T	29/13/28	182/25/97	1440/38/137	1861/39/150	2175/36/151	501/26/77
6Y1V	149/16/68	538/27/100	2036/35/126	1854/37/135	1548/30/120	23/12/22
ZY7C	20/8/20	173/22/89	1357/35/124	1495/38/137	2220/30/122	53/18/44
AH2R	86/16/27	394/30/72	1385/35/115	1437/37/120	980/36/98	179/13/19
RT9W	283/12/61	837/29/110	1113/35/146	989/33/140	766/27/103	15/8/13

USA MULTI-OPERATOR SINGLE TRANSMITTER

W3BGN	173/21/82	366/27/101	684/34/126	1152/34/134	340/26/109	41/11/34
K8AZ	87/17/63	524/27/105	569/37/130	1408/34/132	132/24/97	32/14/30
KT3Y/4	72/15/52	433/25/97	925/31/120	1389/35/134	156/23/98	12/9/12
K1IR	92/15/55	436/28/104	636/35/130	1197/29/128	269/23/100	21/13/20
K2LE/1	54/14/41	281/21/93	524/29/122	1246/34/135	190/24/102	32/11/27
W3UA/1	102/14/59	249/21/95	819/32/129	1181/30/123	130/24/97	7/5/7

WORLD MULTI-OPERATOR TWO TRANSMITTER

HC8N	431/19/72	1412/30/111	3107/35/134	2992/38/145	3198/35/145	775/24/62
EF8M	493/16/76	1842/30/118	3521/35/140	3001/37/145	2639/36/142	353/17/57
D4C	333/15/70	1150/26/102	2564/34/120	3353/33/133	2936/32/127	558/21/79
PJ2T	662/20/83	1359/26/107	2853/36/139	2586/36/130	2115/27/114	166/15/34
PJ4A	533/16/72	945/25/98	3371/34/131	2803/34/127	2344/27/118	169/16/29
P3F	450/17/72	1846/28/108	3246/36/151	2151/36/133	1416/35/117	268/11/48

USA MULTI-OPERATOR TWO TRANSMITTER

N3RS	131/19/73	1025/29/110	1271/38/145	1845/36/149	804/27/125	63/15/40
K1AR	240/21/77	697/29/113	1095/38/139	1885/35/145	642/27/128	40/13/29
WE3C	108/18/77	1089/28/117	1016/31/127	1514/35/141	790/27/116	41/13/32
NY4A	139/16/65	756/26/107	1505/37/138	1404/32/133	689/27/119	5/5/4
K1RX	90/14/51	579/29/112	847/36/134	1327/33/132	407/26/112	44/12/25
KØTV/1	85/14/47	362/27/101	628/30/125	1233/31/129	361/23/98	30/9/14

WORLD MULTI-OPERATOR MULTI-TRANSMITTER

3X5A	953/21/79	1735/25/99	2734/37/128	4472/38/154	3725/38/146	1023/22/93
ED8A	192/10/47	1338/23/94	2326/29/113	2604/33/110	2493/34/126	343/18/61
J3A	298/13/47	1903/26/112	2766/33/124	2657/35/132	1734/26/95	332/18/43
KH7X	414/22/28	1274/34/86	1498/36/106	1908/37/91	1674/30/72	359/19/30
JA5FDJ	310/23/56	1057/33/98	1582/37/132	1445/36/135	963/35/108	116/22/40
JA3YBK	387/23/57	757/33/99	1787/38/142	1383/36/142	719/36/103	114/15/28

USA MULTI-OPERATOR MULTI-TRANSMITTER

W3LPL	432/24/96	1314/32/122	1373/38/152	2080/38/152	991/29/138	132/14/38
K3LR	293/25/94	1118/32/121	1297/39/159	2296/39/159	679/30/132	99/14/40
KC1XX	395/20/85	1393/34/121	1456/38/147	1907/36/151	680/27/125	151/16/38
NQ4I	270/20/79	740/28/107	1380/39/149	1773/35/149	703/27/119	103/18/34
K1TTT	283/18/76	835/29/114	942/36/141	1728/34/145	668/29/125	127/16/39
W2FU	230/19/77	863/30/115	886/36/131	1559/33/138	400/26/111	105/12/37

TOP SCORES IN VERY ACTIVE ZONES

Zone 3

K6NA.....1,894,742
N6TV.....1,872,780
KO7AA.....1,839,328
K6XX.....1,826,437
WC6H.....1,738,317
K7GK.....1,437,056
W2VJN/7.....1,427,819
W6PH.....1,332,873
K7RL.....866,550
N7TT.....720,513

Zone 4

VC3A.....4,968,440
VC3J.....4,853,208
VE3EY.....3,611,762
VE3NE.....2,503,250
KU1CW/Ø.....2,392,704
WXØB/5.....2,245,120
K8GL.....1,736,658
KØSR.....1,504,116
*N5AW.....1,506,560
N4TZ/9.....1,450,400

Zone 5

VY2ZM.....6,885,168
K5ZD/1.....6,399,360
VY2TT.....6,072,935
K3CR.....5,330,100
K1LZ.....5,093,565
K1DG.....5,001,120
W1KM.....4,433,030
K4ZW.....3,900,600
AA1K/3.....3,864,576
N2LT.....3,538,836

Zone 14

CU2A.....7,400,808
*CT6A.....4,987,632
M6T.....4,122,914
TM6X.....3,951,600
DJ1YFK.....3,711,576
DL3YM.....3,550,858
EA5FV.....2,950,400
GM7V.....2,539,832
AO7AJR.....2,095,104
PA3AAV.....2,011,530

Zone 15

4O3A.....6,942,915
9A1A.....5,765,256
S5ØA.....4,851,392
HA8JV.....4,447,950
ES5TV.....3,228,610
OF8X.....2,727,276
*OM5XX.....2,387,938
*OL6P.....2,301,740
YL6W.....2,258,815
*LY6M.....1,833,720

Zone 16

UU7J.....4,815,774
UT5UGR.....2,764,480
RS3A.....2,739,924
RG3K.....2,510,749
UA4FER.....2,066,076
RM3F.....2,043,500
UA4CCG.....1,547,666
UR7EU.....1,250,232
RW1ZA.....1,181,601
*RV6LFE.....1,226,434

Zone 20

SV9CVY.....6,986,736
YQ9W.....4,032,426
4Z5TA.....1,576,155
*TC3A.....1,423,800
*LZ9R.....1,295,111
ZC4LI.....1,294,033
C4I.....1,219,239
YO6BHN.....1,061,286
SV1ENG.....1,033,708
*YO3FRI.....1,031,800

Zone 25

JH4UYB.....3,752,242
HL2AEJ.....1,216,334
JF1PJK.....1,146,915
JK1OPL.....1,025,060
JF2QNM.....968,803
*JH8SLS.....930,369
JA5DQH.....861,713
*JI1RXQ.....804,678
JR3NZC.....790,359
JN2AMD.....686,350

**Low Power*

4. Team Mannerheim: T88WV (OH7WV), CU2A (OH2UA), OA4WW (OHØXX), OF8X (OH4JFN), OF6NIO: 18,611,704

5. RRDXA Team 1: CN3A (IK2QEI), OQ5M (ON5ZO), OT1A. DJ2YA, DL3YM: 16,967,895

6. Carolina DX Association: AA4NN, AA4S, ISØ/K7QB (IN3QBR), N2TU, WA4DOU: 6,679,728

7. Strausberg Re-united: 5H3EE (DL4SM), 9G5ZZ (DL1CW), DL4ME, DL5YM, DL6JZ: 5,981,305

8. Contest Group Quebec #1: VE2TZT, VA2WDQ, VE2AWR, VA2SG, VE2SG: 3,637,804

9. Team Sisu: OF5A (OH5BM), OH1MM, OHØZ (OH5DX), OH6BG, OH2BH (OH1WZ): 3,172,259

10. DXXE Full Vitamins: XE1MM, XE1CT, XE1NW, XE2S, XE2WWW: 2,392,377

11. Team Terva: OGØZ (OH1RX), CT8T (OH1NOA), ZB2X (OH2KI): 1,669,147

12. Contest Group Quebec #2: VE2FWW, VE2FK, VE2FU, VE2FFE, VE2HLS: 1,156,558

13. DXXE Vitamins: 6H1ZVO, 6I2AUB, XE1AY, XE1ZW, DL6KAC: 102,270

Records

You can QSY to <cqww.com> to check the records for every country that has entered the CQ WW since 1948. If you discover an error, please let us know at <questions @cqww.com>. Below are the outstanding efforts of super operators which resulted in setting new CW records during the 2007 contest. Congratulations!

World: 3.5 CN2FB (UA2FB), 1.8 CN2FF (UA2FF), L7 TC3A, L1.8 TA2RC, Q1.8 C6ARR (N6BT), A3.5 IH9M (IK7JWY); **North America:** L14 C6AKX(KE7X), Q1.8 C6ARR(N6BT), MS HI3A; **Africa:** CN2FB (UA2FB), 1.8 CN2FF (UA2FF), L7 6W1SJ (T98A), QA 6V7D (K1XM), Q21 SU8BHI (HA3JB), A7 IH9U (I1NVU), A3.5 IH9M (IK7JWY); **Asia:** 14 ZC4LI, 3.5 UN4L, 1.8 EY8MM, L7 TC3A, L1.8 TA2RC, Q7 RW9LL; **Europe:** A3.7

EUROPE TOP SINGLE OPERATOR ALL BAND

Station	160	80	40	20	15	10
CU2A	288/15/61	1013/24/92	1783/31/109	1129/31/108	1673/27/107	59/13/30
SV9CVY	293/12/59	1094/23/81	2088/34/120	1688/33/107	1245/33/101	163/7/38
4O3A	353/12/59	1149/24/88	2005/34/115	1455/34/97	934/33/109	179/12/34
ERØWW	328/10/57	867/29/98	1439/38/137	1515/38/136	545/35/131	69/10/43
9A1A	179/12/59	1028/30/106	1461/38/146	1103/36/119	344/33/121	176/10/46
DJ5MW	238/16/66	812/29/106	994/36/144	932/37/132	457/35/130	104/13/59
CT6A	282/11/57	773/21/86	1266/29/117	955/29/102	782/29/101	147/9/33
S5ØA	254/14/59	878/24/85	1045/34/111	1192/35/101	580/34/100	46/9/31
UU7J	346/23/76	872/30/103	1215/34/127	943/36/99	632/33/108	167/11/49
HG3DX	224/15/61	611/23/82	979/34/135	982/36/127	452/35/128	67/17/67

EUROPE MULTI-OPERATOR SINGLE TRANSMITTER

9A7A	255/20/81	1282/32/124	1664/38/156	2236/39/155	624/36/144	104/12/67
OM8A	342/24/101	1073/31/124	1655/37/144	2044/39/149	659/34/146	79/13/61
9A1P	380/21/90	1146/30/114	1557/37/146	1584/39/150	849/37/144	111/17/64
OM7M	416/25/93	1011/32/118	1507/38/151	1586/40/152	467/35/139	58/12/52
T93M	219/16/69	846/26/101	1458/36/143	1768/39/142	756/37/144	138/16/55
HG1S	203/13/70	1112/32/124	1681/36/158	1571/38/143	317/36/133	128/12/52

EUROPE MULTI-OPERATOR TWO TRANSMITTER

EA6IB	708/18/79	1865/30/115	3000/38/154	2454/38/139	1243/36/138	362/13/59
IR4X	260/19/76	1839/34/125	2080/38/156	1973/38/153	1035/36/145	129/14/64
T93J	777/25/90	1545/31/118	1748/38/152	1490/37/137	1011/38/146	54/15/42
RU1A	769/26/91	1660/36/130	1670/37/143	1706/39/151	443/37/138	94/10/48
EE2W	331/11/61	1797/26/101	1871/35/125	1683/36/126	1242/36/118	189/14/44
Z37M	518/14/73	1899/33/119	2140/38/138	1681/36/125	634/36/135	59/10/29

EUROPE MULTI-OPERATOR MULTI-TRANSMITTER

LZ9W	1137/21/87	2257/35/129	3052/38/155	2819/38/148	1294/37/148	257/17/70
DFØHQ	1093/22/91	2033/33/125	2673/37/158	1901/39/155	677/35/146	317/15/81
DR1A	997/22/86	1870/32/123	2134/38/153	1844/38/145	813/32/138	243/14/71
OE2S	624/10/67	1951/31/113	1596/36/141	1401/39/141	331/34/135	129/14/57
SK3W	837/15/72	1330/29/110	1698/34/133	1305/38/136	495/30/119	113/10/40
LY7A	1034/17/74	1457/24/89	1592/35/132	1287/36/136	376/30/112	97/9/45

SO2R (SP2FAX); **Oceania:** Q14 V73NS, A21 VK4AN, A7 ZM3A, A3.5 ZL2IFB; **South America:** 7 9Y4AA (N6TJ); **USA:** L1.8 N2WN/4, Q1.8 W2MF; **Japan:** L14 JA1BPA, Q14 JA6GCE, A14 JG2KKG

Special Mention

As G3SXW commented in his book *Contesting in Africa,* "for Homebound Contesters and DXers alike, there is no thrill in amateur radio to match that of hearing your call come back from a new multiplier or a new country. But imagine the thrill of *being* the new multiplier or country for literally thousands of stations!" For the many of us, this means participating in a DXpedition. The following stations are some of the many who made the contest more interesting for everyone by going on DXpeditions:

VP2EDL, V26K, C6ADQ, C6AGY, C6AKX, C6ATA, 8P5A, 8PØP, 8P9MN, V31DF, OH1VR/VP9, YA/K9GY, HQ2A, HQ9R, FM5BH, H7/K9NW, HP1/DJ7AA, PJ7/DJ5HD, V47NT, J88DR, D2NX, 7XØRY, VQ9LA, J28OO, 9G5XA, 9G5ZZ, 5R8NL, 3B8GT, CN2AW, CN2FB, CN2FF, V5/DJ4SO, 6W1RW, 6W1SJ, 6W1SE, 3DAØZO, 5H3EE, 3V2A, S21ZDX, C4I, C4M, C4Z, 4LØA, VR2/AA1ON, XU7MWA, 9K2HN, HSØZAR, YM2W, 9M2CNC, OHØZ, OHØR, OHØM, CU2A, SV9CVY, ZB2X, J43J, 4U1ITU, EI/W5GN, MD/DL3KNF, MD/DL3KWR, GI6YM, CT8T, ISØ/K7QB, ISØN, ISØ/OLØA, MZ5A, MZ5B, VK3TDX, VK9AA, 9M8YY, 9M6AAC, FO5RY, WH2D, KH2/KI3DNN, C6ARR, KH6/NØCO, ZL3TE, T88RJ, T88WV, A35MJ, P40W, P49Y, ZX5J, HK1AR, HK7/VK6DXI, ZPØR, ZP6/IK1PMR, PZ5X, 9Y4AA, 6V7D, JD1AHC, HR2/LTØE, ISØ/OK1CZ, SU8BHI, EA8/OH2BEM, KL2R, IH9U, IH9R, IH9M, 3B8/SM6GOR, OHØE, 9H3HH, ERØWW, T88FY, DX1M, TI5N, 6Y1V, 5JØA, S79UU, C4N, AH2R, ZF1A, HI3A, VP2MSC, VP5W, EF8M, D4C, CT9L, P3F, GJ2A, LX7I, E51A, HC8N, PJ2T, PJ4A.

Why not do a little work and find out about an overseas location? You can jump on a plane for a few hours and experience never-ending pile-ups. You will find that it will be an experience to remember.

Comments

The 2007CQ WW CW resulted in the highest number of CW logs ever received. With code requirements around the world almost eliminated, it is very heartening to see that many newcomers are taking the time to learn CW and join in the fun. With 10 meters almost totally closed, the CQ WW CW still generated 4867 logs.

For the 2007 logs, the CQ WW log-checking process underwent a considerable amount of change. After many years of developing the log checking process Dick, N6AA, turned over the process to Ken, K1EA. This was a major change in procedure. We welcome Ken and his log-checking software to the CQ WW. In addition, the CQ WW acquired a new server dedicated to it. Both of these changes have brought new challenges to the CQ WW CC. We appreciate all the input we have received from the entrants in the contest. Your input is always welcomed. As before, with a new processes in place, we will continue to provide the best log checking available. Please remember, that the purpose of log checking is to certify the winners. A side product of this process is the UBN/NIL reports, which are supplied to all entrants. The UBN/NIL reports are an aid to improve your skills.

Since the 2007 contest season concluded, there have been ongoing discussions concerning remote operating and skimmer technology on various reflectors. Remote contesting is addressed in the existing rules. All TXs and RXs must be contacted by wires to antennas and located within a single 500-meter diameter circle or the owner's property which ever is larger. The operator can be anywhere, but the remote station he (she) uses must obey the CQ WW rules and the rules of the country in which he is remotely operating. All remote RXs must be in a 500-meter station circle—nowhere else. A single operator using skimmer or skimmer-like technology places the entrant in the Assisted Category. Use of any QSO alerting technology places the entrant in the Assisted Category.

In accumulating the scores, considerable effort is put into collecting all the names used by a club's entrants. One famous club had over 15 variations of its club name, as mentioned earlier. Clubs can help out the CQ WW CC a great deal by making sure that all their entrants use the same club name on submitted documents. When you submit your log, please take the time to look at your Cabrillo header page. Check to see that the call you used during the contest is the one that appears as your

entry call. In addition, look your log over to make sure you really logging the right band. On CW there were several entrants who forgot to change bands on their computer logging program. Please be careful to log all your QSOs on the correct band.

The Multi-Single category is very popular. Please remember to designate the run and multipler station within your logging software. You can designate the run as station 0 and the multiplier station as 1. It is easy to do and all contesting programs can do it. By doing this, MS checking becomes much easier for the CQ WW CC.

The CQ WW CC uses the same .cty file to check all the logs. In this way all the logs are treated equally. The CQ WW CC has known for a very long time that a large number of CQ WW entrants have limited operating time. It is precisely these operators having fun who give the continuing runs available during the contest. No matter how your time might be limited because of other demands, get on in the CQ WW and have fun. The CQ WW CC wants to thank and recognize the causal operator as a major contributor to everyone's good time.

As has been mentioned many times before, your UBN/NIL report is just an aid to help you pinpoint how to improve your copying skills. Submitting an electronic log is easy. Send your SSB log and summary to <ssb@cqww.com>, CW to <cw@cqww.com>. Please send your log in Cabrillo format. If you have any problems, we can help you at <questions @cqww. com>. It bears repeating that if you make a mistake on your first submission, you can resubmit your log. It will replace the first submission.

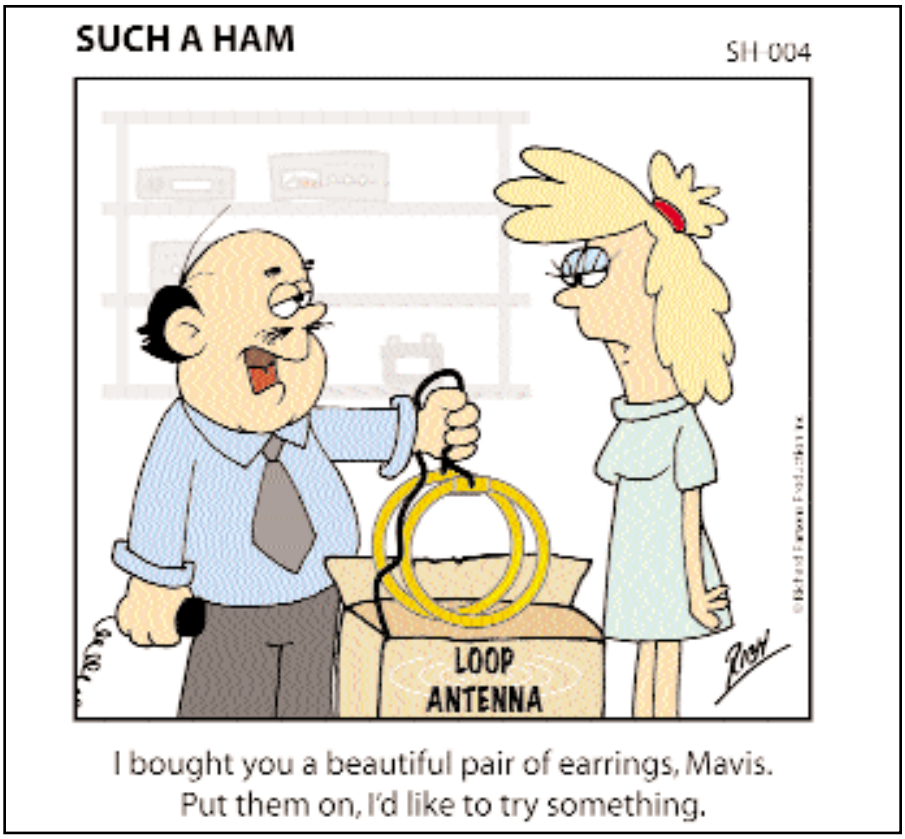
Thanks

The CQ WW Contest Committee wants to thank all the entrants who make the CQ WW the event of each year. We try to do our best to assure that the results are true and accurate. The results require hundreds of hours of work by a lot of people. The members of the CQ WW CC who provided labor and insight in creating these results were: K1DG, K1AR, K3WW, K3ZO, K3LR, K5ZD, KR2Q, N2AA, N2NC, N2NT, N3ED, N6AA, N6TR, N9RV, W3ZZ, K1AR, KM3T, KT3Y, W5OV, N5KO, K6AW, and N8BJQ. The logs were received and processed by Larry, N6TW, and the scores developed by Ken, K1EA. K1EA has done a great job learning all the CQ WW log-checking procedures. The CQ WW records are maintained by N2NC and K3EST.The All-Time Records are maintained by K6SSS. Thanks to KM3T, K5TR, and N5KO, who do the hard work to keep the servers working. Thanks to John, K1AR, for his advice and hard work to make the CQ WW so successful. Very special thanks to Barry, W5GN, who helps on many levels, but especially with the book keeping and development of the CQ WW certificate program. Our CQ WW CC members who are DX advisors were very helpful in offering advice, providing information, and sorting out potential problems: CT1BOH, DL6RAI, EA3DU, F6BEE, G3SXW, I2UIY, JE1CKA, OH2KI, OH2MM, PY5EG, S50A, UA9BA, VA7RR, VE3EJ, and E21EIC.

If you plan to participate in the 2008 CQ WW contests, you are on the track to having a lot of fun. Congratulations to all the 2007 participants on all levels! CU this fall in the 2008 contests! 73, Bob, K3EST

DX QRM

Only a part time effort, in between work and the weekend activities! Very happy with score ... **2EØCVN**. Great Contest! See you all again! ... **4LØA**. 10m poorer than 2006. Many thanks to Graham, 5X1GS, for use of his shack. Hard work on 40 and 80 with low power ... **5X1NH**. Nice contest. Tnx all 6H1IM operators XE1IM ... **6H1IM**. Operated from a bush in Tongatapu island. Mosquitoes and Tongan wasps were my only companions ... **A35MT**. What a terrific contest! We certainly enjoyed the pile-ups and all the terrific multipliers. Thanks to all who traveled to distant places for the weekend ... **A71EM**. Working with a special callsign was indeed difficult. Many said I was UA1 and had to go very slow CW telling them AU1, India. It was very nice so many responded with their numbers to us ... **AU1JCB**. Great contest as always but faced computer failure on first day and antenna down on second day, missed most of time during the contest. Very happy to know that B1Z, B3C, and B7P did good results! See you next year! ... **B4TB**. Cinnamon rolls from Florence's bakery, beach walks, power failure, great football. Treasure Cay beach is one of the top 5 in the world! You'll agree! Forget the Qs; please pass the SPF 60! ... **C6AGY.** Many thanks for all who took a lot of time to take me out of QRM. Every QSO was a fantastic experience. I'm sorry E51A didn't copy me. The day before contest I worked them. Signal was very stable all over 30 minutes. Tks to the JA's for the fantastic good ears to copy me. See all of you in next contest. 73 and good luck for everybody ... **CT1AOZ**. Don't forget, the fun is the power! ... **DK3RED**. CQWW shows how the conditions really are. The daily use makes you think that the conditions are bad when it in fact really is low activity. Great condx on Saturday, not so good on Sunday ... **EI4CF**. Lots of fun just being able to work a contest in the casual mode instead of trying to be in the top ten. Biggest thrill was working BZ1Z on 40 ... **F5VHJ**. With a station "optimized for Europe" and a brain "optimized for sleep," this was always going to be tough ... **GØMTN**. It's 40 years since G3TXF first took part in CQWW CW. Only three have been missed in the intervening years. Roll on the next sunspot cycle! ... **G3TXF**. Was a bit under the weather in the summmer for few months. Knocked guts out of me, and what you need in this contest is GUTS! Conditions fair, especially on LF. What is certain is that CW is far from dead! ... **GW3JXN**. It was a really good propagation and outstanding activity. 15m opened unexpectedly for USA and resulted in good sigs on my wire. The contest was fun and running high. Thanks for Q's. See you next year! ... **HA2MN**. I didn't check antenna. It was lying on the floor of the terrace. Therefore some hams must have special ears to hear me. I hope to survive and see sunspots again. FT-920 100 with horizontal loop ... **IK2AIT**. QTH north Sardina, about 100m from the sea. Rig Elecraft K2/100, ant 2-ele mini beam, 8m high. Good fun even if condx were rather poor ... **ISØ/OLØA**. Many thanks to all who worked us. Great contest, great fun ... **J42WT**. I heard HC8, South American station on 1831.2 kHz but no JA freq. It was the first time to hear SA station on 160m in my 30 years of amateur radio life. Look for him in next contest! ... **JO7KMB**. A big "mahalo" to all who worked us or tried. Everyone here worked hard before and during the contest. Still a new station, improvements coming, especially on the low bands. 73 & Aloha ... **KH6LC**. High solar wind and very poor conditions through Sunday afternoon made this contest rough. Even with poor band conditions this contest is by far my favorite. Lots of great DX to be found, not to mention I finished up my WAS award, too. Thanks for a great contest! ... **KL8DX**. Good condx on 40m. Worked many new Central American and Caribean countries. Best 73's to contest committee ... **LY3X**. Very poor conditions up here in Shetland at 60 degrees north ... **MZ5A**. Pain with 100W and Beverage and untuned loaded vertical! ... **OH8VJ**. Nice condition on 80mtrs ... **OK1TC**. As usual, PRIMA ... **OL4M**. Rig Elecraft K2 and dipole for 20 meters and up, and a short vertical for 40 meters and down. With 560 QSOs and a claimed score of 194,000 I made a new personal QRP record ... **OZ7BQ**. M2 is a great category for those of us who enjoy multi-op contesting but don't have the facility for a full MM setup. LF conditions were good but not quite so good as in 2006. At least it seemed that way. 10m barely opened at all but with zero sunspots we can't complain ... **P3F**. Thank for the great show again. Worked several new bandpoints on the 80m band. Here with my dipole always difficult and need the CQ contest! ... **PG2AA**. Thank you for FB contest! It's been big fun though condx on 10 meters was poor ... **RA3BQ**. CIDR Cyclone struck Friday before the contest, and that was it for me after all the preparations done for a serious contest effort. Anyway, managed to operate a few hours with a single 40m dipole to give out a multiplier. Worked a few QSOs on 15m and 20m as well ... **S21ZDX**. Great fun as always. The low band conditions were no good and the old trustworthy 20m did



CLUB SCORES

USA

Frankford Radio Club....266,909,574
Yankee Clipper Contest Club....260,552,723
Potomac Valley Radio Club....139,642,195
Northern California Contest Club....75,488,405
Florida Contest Group....60,754,161
North Coast Contest Club....38,498,561
Society of Midwest Contesters....34,860,384
Carolina DX Association....34,784,070
Minnesota Wireless Association....30,796,748
Southern California Contest Club....24,248,185
South East Contest Club....24,170,938
Mad River Radio Club....20,182,018
Western Washington DX Club....20,050,938
Rochester DX Association....14,431,175
Central Texas DX and Contest Club....14,086,887
Central Arizona DX Association....14,011,476
CT RI Contest Group....12,709,622
Hudson Valley Contesters and DXers....9,733,694
Alabama Contest Group....9,626,274
Mother Load DX & Contest Club(W6)....7,158,524
North Florida DX Association....7,108,265
North Texas Contest Club....7,094,998
Willamette Valley DX Club....6,195,615
Oklahoma DX Association....4,155,279
Kansas City DX Club....3,842,499
Low Country Contest Club....3,234,334
Delaware Amateur Radio Assn....2,606,347
Spokane DX Association....2,087,073
Texas DX Society....1,709,275
Utah DX Assn....1,631,803
South Florida DX Assn....1,519,213
Southwest Ohio DX Assn....1,319,984
Southern California DX Club....969,673
Sterling ARC....965,792
NorthEast Wisconsin DX Assoc....887,004
Western New York DX Assn....803,725
Metro DX Club....725,328
West Park Radiops....715,857
Salt City Dx Assn....551,454
Northern Arizona DX Assn....447,157
Northern Illinois DX Assn....349,975
Kentucky Contest Club....302,073
Alamance Amateur Radio Club....248,137
Eastern Iowa DX Assn....244,595
Magnolia DX Association....240,782
Bergen Amateur Radio Association....211,340
Mississippi Valley DX & Contest Club....198,912
Great South Bay ARC....194,579
Southeastern DX Club....194,293
Redmond Top Key Contest Club....175,856
ARROW Communications Assoc. Inc....167,111
Tri-Town Radio Amateur Club....45,892

DX

Bavarian Contest Club....258,978,970
Rhein Ruhr DX Association....228,914,196
Contest Club Finland....87,361,420
Contest Club Ontario....70,890,904
Yu Contest Club....52,025,083
Araucaria DX (PY)....51,829,933
LU Contest Group....50,292,163
Ural Contest Group (UA9)....49,726,580
Slovenia Contest Club....47,897,732
Croatian Contest Club....38,827,929
*World Wide Young Contesters....38,696,386
Black Sea Contest Club....37,872,164
Bosnia and Herzegovina Contest Club....37,851,018
HA DX Club(HA)....35,088,138
Caribbean Contesting Consortium(PJ)....33,812,996
Ukrainian Contest Club....28,506,942
Chiltern DX Club(G)....24,320,277
SP DX Club....22,813,202
VK Contest Club....21,425,649
Kaunas Univ. of Tech. Radio Club(LY)....19,129,766
LZ Contest Team....18,383,754
UA2 Contest Club....15,802,077
Kiev Contest Club....15,036,119
Central Arizona DX Association....14,011,476
British Columbia DX Club....13,040,452
South Ural Contest Club(UA9)....12,755,800
Latvian Contest Club....11,934,843
Lithuanian Contest Group....8,976,258
LA Contest Club....8,779,565
Central Siberia DX Club(UAØ)....8,228,521
Bashkortostan Dx Club(UA9W)....7,870,773
TuPY DX Group(PY)....7,719,608
Tartu Contest Club(ES)....7,398,734
Vrhnika Contesters(S5)....7,362,782
Tikirriki Contest Club(IT9)....7,343,018
Kemerovo RC(UA9U)....7,113,011
Maritime Contest Club(VE1)....6,526,230
Les Nouvelles DX(F)....5,554,229
ATCC(EY)....5,436,712
Michurinsk Contest Group(UA3R)....5,351,016
Danish DX Group....5,295,316
Orenburg Contest Club(UA9S)....5,238,827
Cockenzie & Port Seton ARC(GM)....4,773,706
Contest Group Du Quebec....4,762,669
LYNX DX Group(EA)....4,247,297
Radioclub Radu Bratu(YO)....4,178,341
Austrian Contest Club....4,158,404
Top of Europe Contesters(SM)....4,130,723
Moscow Contest Club....3,993,815
East Coast Canada Contest Club(VO1)....3,980,470
Weast Serbia Contest Club....3,826,796
Low Land Crazy Contesters....3,601,162
Fox Contest Club(YU)....3,571,946
Grimsby ARC(G)....3,300,120
Belokranjec Contest Club(S5)....2,890,360
Belarus Contest Club....2,779,570
Siam DX Group....2,608,391
Sheffield Amateur Radio Club(G)....2,168,308
Guara DX Group(PY7)....1,947,940
North Greece Contest Team....1,945,860
Perm Club....1,856,899
SPCC(SP)....1,721,847
Rio DX Group....1,605,133
Czech Contest Club....1,582,307
Radio Club Honduras....1,575,064
South German DX Group....1,542,478
Jiangsu DX Club(BY)....1,539,376
Temirtau Contest Club(UN)....1,481,044
Omsk Radio Club....1,472,814
Grupo DX Grande Canary....1,462,308
Novokuznetck(UA9U)....1,403,461
Gronau Contest Club(DL)....1,396,059
ALRS(UA1)....1,367,134
CC Krasnodarskogo Kraya(UA6A)....1,222,053
Bekasi DX Contest Club(YB)....1,179,504
Calgary Amateur Radio Association....1,152,864
LA DX-Group....1,142,759
Podolsk Radio Club(UA3D)....1,135,971
OK DX Foundation....1,134,694
YO-DX-Club....1,128,712
Falkopings Radioklub(SM)....895,630
Grupo Argentino de CW....802,040
Mykop Radio Club(UA6Y)....762,730
Vladimir Radio Club(UA3V)....743,203
Noginsky Radio club(UA3D)....691,387
Shakhan Contest Club(UA6A)....600,144
GM DX Club....580,904
Kiel Canal Activity Group(DL)....568,802
São Paulo Contest Group....555,606
Ivanovo DX Club(UA3U)....495,441
Orenburg Contest Club(UA9S)....480,150
Jablanik Bears(YU)....471,976
Bryansk SW club(UA3Y)....471,249
University of Tokyo Contest Club....468,684
Yaroslava Contest Club(UA3M)....462,861
YO Antenna DX Group Deva(YO)....461,986
Obninsk QRU Club(UA3X)....449,224
Stavropolskiy Contest Club(UA6H)....444,862
Saskatchewan Contest Club....394,340
Novosibirsk Contest Club....385,551
DX Club Oradea(YO)....372,948
Irkutsk Radio Club(UAØS)....310,356
Amsterdam DX Contest Club....294,204
POISK Club (UA9A)....293,047
Bracknell ARC(G)....280,111
Kirov Radio Club....227,645
CSM Craiova(YO)....153,620
YO5KAD....151,341
Serpuhov Radio Club(UA3D)....142,231
Noviomagum DX Club(PA)....140,719
Shizuoka DXRA....140,067
Shetland Contest Group(GM)....111,100
Radio Club de Panama....102,805
Kurgan Radio Club(UA9Q)....74,280
Lake Wettern DX Group(SM)....48,246
Sport Club M-Ciuc(YO)....32,795

*Not a qualifying club

(Continued on page 100)

Results of the 2007 CQ WW DX CW Contest *(from page 23)*

John, OM5XX, was #2 All Band, Low Power in Europe.

Tina, YO3FRI, was the top Romanian All Band, Low Power.

the job once more. Half of all QSOs were from USA and half from EU. The farthest away was propably Lloyd, KH6LC, in Hawaii, but the closest one was my old friend Bjarni, TF3GB. Thanks for organizing this great event ... **TF3AM**. Slowly the reliablility of the station grows up. Now we must find some more operators. Some more technical things to achieve before 2008 edition! Which station in the world can claim to eat rabbit civet, deer, wild pig, cow tongue, and drink 18 and 21 year-old Knockando? See you next year with less food and more multipliers! ... **TM4Q**. Had not planned on QRP but the main rig failed in early October and then 21 November the 706MKIIG became a door stop. All I have left is the IC-703 and a G5RV flat top at 60 feet and a lot of saltwater! Rather than "hunt & peck" I picked a freq. and would call until someone noticed me, then the fun begins! Difficult to manage QRM as the 703 only has one filter so it was a challenge. I often had to QSY when high power stations squeezed me out. Still I am thrilled with the QRP results! Yes, it does help to have a rare callsign too! I might run QRP next year too, except with the 746Pro's receiver! ... **V73NS**. Low power and a simple wire antenna. Is the glass half empty or half full? Is it "you pretty much work all you hear" or "you can't get no satisfaction"? Still undecided ... **VE3FDT**. Had to work on the roof and then lay new hardwood flooring the next day. Low score, nice floor! ... **VE3RCN**. I got a little more serious about this contest to improve on the last two years efforts. Friday evening and Saturday I used my FT-757GX I inherited earlier this fall. Sunday I used my IC-751A with the FL-53A narrow filter to get more serious. I still had a lot of fun. You don't have to have the latest rigs to have fun contesting. The QSK on that FT-757 blew me away in the contest. It's that nice. ... **VE7BGP**. A very fine contest where even the slow operator has a chance. many DX ops gave me a QSO in slow speed. That was very fine of them ... **VU2LYX**. I am not a CW op. That is, I am not a CW contester. Just ask the 30 stations who worked me. However, this may have been a baby step, thanks to Robby, VY2SS. Outside of a feeble effort in a RAC Winter contest, I have never entered a CW contest. We'll see where this goes ... **VY2LI**. Tnx for contest QSOs! ... **YL1S**. Had a lot of fun on my first WW CW contest expedition! ... **YS/K9GY**. We had a lot of fun and in this Macedonian-German Contest Team. We Germans enjoyed it very much to be guests in Macedonia. The hospitality was overwhelming ... **Z37M**. Grateful thanks to Les for the use of his QTH for the weekend.Very poor condx for the first 12 hours or so, then much improved, but deteriorated again towards the end. Never a dull moment!! As part of the ZL6QH gang we had to be there come hell or high water! ... **ZL2AGY**.

USA QRM

Highlight was having XW1A call me at 1405Z on 15 meters the second day. Wasn't expecting that kind of opening the way conditions have been ... **AA1K**. Great band opening on 40 meters in early morning. Worked only a few hours but had a ball working DX all over the world ... **AF4Z**. No problems from Murphy here, just a problem with the alarm clock (the Murphy Bed)? Overslept two hours Sunday morning, missing a good part of the EU opening, an inexcusable lapse for an East Coast station. Fell short of last year's totals, and I could blame the difference in 15m propagation, but I probably would have matched last year but for the alarm clock ... **K2PS**. I entered mainly to complete the NAQCC November challenge, but after I finished, I was having so much fun I kept going. The sunspot minimum certainly made it rough compared to when I was making 500+ QSOs at the maximum. But I'm happy with my results with my QRP 5 watts and simple wire antennas. I enjoyed working CN2FB on 80m for a new band country and SV9CVY on 20m for another one. Also a thrill to work New Zealand on 40m thanks to ZM3A's good ears ... **K3WWP**. Conditions really difficult. Thunderstorms in area kept me off 160 and very few contacts on 80. 10 was almost dead and 15 not very good. Everybody was on 40 and 20 so they were pretty busy. We had rain all day Saturday and Sunday. If it was not for the contest I would have had everything unplugged and watched TV (ugh)... **K5EWJ**. Bands were better than expected, plenty of stations to work (other than on 10). 80 was great to Europe Friday night. Operated the whole contest remotely using my station located 80 miles away. Fortunately the network and control equipment cooperated this time. Worked HC8N, KH7X, and KH6LC on 6 bands ... **K6NR**. New antenna that didn't get fully installed, new software that I never used before, limited time to contest, reworked the shack the day before, and mixed band conditions made for an interesting contest. Missed the guy in Hanoi but worked my first Laos station with a few minutes left in the contest ... **K7DD**. Two men and a truckload of dipoles. Great fun! ... **K8DO**. Wish I had more time to operate. Nice 10 meter opening Sunday morning. Happy to get 100+ countries on 20. Zone 33 stations need to sign their calls more. Great expeditions: 3X5A, D2NX, CT9L, 5JØA, 5X1NH, D4C. Some of these folks can REALLY send code. What an art form! ... **K8GL**. Big thrill was working 102 countries on 80 from far NW Wisconsin ... **NØIJ**. This turned out to be a much better event than I had expected. In spite of zip sunspots and somewhat noisy bands, the DX just kept coming. It was great. My (in)famous WimpyWire antenna system was on its best behavior this weekend, allowing me to get around the bands quickly, looking for new stations. I even worked three Chinese stations. Wow, the first and only time I've worked China before was back in 1998. N6WG, The Little Station with Attitude ... **N6WG**. I only made a few QSOs during the contest but it was a great way to shake out the two Elecraft K1s I assembled this month! ... **NE1RD**. Money band was 20m with openings to all parts. 40m was mostly SA, AF, and Asia, little EU here. Fun to work EU, Carribean, KH6, ZL, VK on 80m. Even got 3 JAs, CN2R, CN2FF, and Carribean on 160m. Thanks to those who have great ears to hear my 100W and 65 ft vertical w/45 radials on the ground. Thanks to DXpeditions who put many countries on in AF, SA, and Asia! ... **WØETT**. This was the first CW contest I didnt touch the key in. Very strange feeling for a CW op ... **W6XI**. No Spots, No Problem, No 10 Meters, No Kidding. It'll all be better next year! ... **W7AT**. Search and Pounce from Arizona Ranch using 100W always presents a challenge to both new and old members of the contest. Conditions this year were as good as they can get. ... **W7RH**. All-time record for us. Had a very good time ... **W9NGA**. With fair conditions few Europeans were heard except for 20 meters, but there were big local problems: (1) Very strong power line noise to the NE, (2) Remote relay box failed, so we ran 250 ft. of coax at night for the 40 meter antenna, (3) Bad QRM from close-by 50 KW BC station really hurt 160 meters, (4) Ten minutes in the local RF packet node transmitter failed ... **WA7LT**.

Number groups after call letters denote following: Band (A = all), Final Score, Number of QSOs, Zones, and Countries. An asterisk (*) before a call indicates low power. Certificate winners are listed in bold. (All country terminology reflects the DXCC list at the time of the contest.)

2007 CW RESULTS
SINGLE OPERATOR
NORTH AMERICA
UNITED STATES

K5ZD/1	**A**	**6,399,360**	**3455**	**138**	**522**
K1LZ	**"**	**5,093,565**	**3027**	**132**	**513**
K1DG	**"**	**5,001,120**	**3039**	**129**	**475**
W1KM	**"**	**4,433,030**	**2775**	**125**	**456**
K1ZZ	**"**	**3,112,416**	**1837**	**127**	**479**
WC1M	**"**	**3,077,464**	**2245**	**111**	**397**
W1WEF	"	2,828,700	2016	112	413
W1FJ	"	1,627,444	1307	102	374
W1GQ	"	1,075,355	956	100	379
K1JB	"	891,808	720	106	358
W1EBI	"	822,908	776	96	313
K1RM	"	805,464	953	87	237
K2KQ/1	"	735,013	627	95	354
KQ2M/1	"	694,683	860	72	225
KB1W	"	496,341	714	70	209
K1VV	"	404,544	509	67	227
W1HIS	"	396,644	524	85	238
W1UK	"	294,930	344	77	262
W1BYH	"	252,120	317	86	244
NS1L	"	176,120	296	75	184
W5WMU/1	"	111,910	299	36	119
K1KU	"	102,789	209	66	177
W3IZ/1	"	61,202	164	40	102
N1JW	"	45,500	146	37	93
K1SND	"	37,647	144	39	102
W1YRC	"	32,258	105	42	85
KB1ODO	"	31,320	137	39	69
K1IM	**14**	**262,409**	**755**	**29**	**104**
W1XX	**7**	**149,688**	**475**	**30**	**102**
W1MK	**3.5**	**426,313**	**1156**	**30**	**109**
K3FN/1	**"**	**78,369**	**453**	**21**	**76**
KT1V	**1.8**	**117,165**	**501**	**21**	**86**
***K1BX**	**A**	**2,056,800**	**1547**	**109**	**371**
***KS1J**	**"**	**1,175,853**	**1091**	**88**	**311**
*W1JQ	"	949,062	846	97	334
*W2JU/1	"	670,712	616	99	314
*K1IB	"	607,695	729	75	244
*K1HT	"	491,980	545	87	253
*KB1T	"	402,458	493	84	239
*AB1FY	"	365,574	457	76	243
*N1DC	"	342,550	450	75	235
*K1ZE	"	315,892	383	73	229
*AK1Q	"	296,390	413	65	212
*W1ECH	"	242,946	369	76	221
*W1VB	"	213,153	353	53	174
*K7JE/1	"	206,448	322	72	181
*K1RO	"	191,505	296	68	187
*AE1T	"	175,824	310	50	166
*AB1J	"	158,207	266	58	175
*K1VSJ	"	121,397	234	54	139
*W2QQ/1	"	50,786	152	38	96
*W1HI	"	48,510	195	19	80
*K1GPL	"	19,097	207	42	71
*K1OQ	"	17,876	95	38	71
*W1HBR	"	15,224	242	42	131
*WB1FLA	"	11,610	88	32	54
*W1OHM	"	10,792	75	22	49
*K1KNJ	"	9,440	64	16	43
*K1HTJ	"	9,348	54	25	51
*K1EP	"	8,540	56	29	41
*AA1M	"	3,600	36	12	27
*KM1Z	"	2,989	76	26	35
*KA1VMG	"	588	14	9	12
*K1KAV	"	416	10	6	10
*NJ1Q	"	84	10	4	3
***N1NK**	**21**	**63,547**	**220**	**22**	**87**
***W1MU**	**14**	**446,090**	**1026**	**32**	**123**
*K1EFI	"	57,327	219	18	79
***W1NK**	**3.5**	**11,610**	**85**	**14**	**40**
N2LT	**A**	**3,538,836**	**2112**	**134**	**470**
W2RU	**"**	**2,262,904**	**1805**	**111**	**365**
K2NV	**"**	**1,547,658**	**1114**	**117**	**402**
W2LC	"	1,057,137	1010	96	323
K2FU	"	873,016	782	98	326
N2GC	"	723,788	668	95	308
W2XL	"	357,840	485	71	213
WA2VYA	"	272,734	397	61	192
KW2J	"	240,300	342	73	194
W2TB	"	203,346	330	50	187
AB2E	"	188,955	298	69	186
KM2L	"	157,178	298	54	152
WA2YSJ	"	142,480	271	60	148
W2FUI	"	98,032	202	52	124
WW2DX	"	85,617	201	59	130
KC2NB	"	85,084	222	50	128
W2YJ	"	69,388	179	50	116
N2BEE	"	62,835	235	52	125
N2CG	"	61,560	147	52	119
NG2P	"	49,491	142	37	104
N2VM	"	28,408	127	30	76
K2RET	"	19,100	105	30	70
N2RJ	"	10,530	54	29	49
N2BZP	"	9,375	70	26	49
WA2EMF	"	9,216	62	20	44
WB2JEP	"	1,798	34	11	20
W2KKZ	"	440	24	10	12
W2RR	**28**	**4,144**	**50**	**11**	**26**
KE2WY	**14**	**99,600**	**375**	**23**	**97**
N2MF	**7**	**413,660**	**985**	**38**	**134**
KZ2I	"	35,595	146	24	81
NQ3N/2	"	6,278	97	19	54
NA2X	**3.5**	**39,867**	**161**	**21**	**76**
W2TX	"	10,416	67	17	45
WF2W	**1.8**	**43,788**	**225**	**18**	**64**
W2VO	"	21,409	131	17	62
***K2PS**	**A**	**1,294,272**	**1152**	**91**	**337**
***N2MM**	**"**	**1,270,320**	**1101**	**108**	**366**
*K2UF	"	555,360	619	86	270
*NP3D/W2	"	498,348	538	86	295
				(OP: EW1AR)	
*NX2X	"	401,685	520	73	232
*W2CVW	"	185,650	300	60	175
*KD2MX	"	172,270	327	66	164
*K2TWI	"	144,200	273	42	158
*WA2VZQ	"	127,710	236	52	146
*K3GYS/2	"	121,472	294	50	158
*AI2N	"	119,973	236	59	144
*N2US	"	109,804	233	45	149
*WB2OQQ	"	100,190	204	53	162
*N2SQW	"	89,388	204	54	137
*KD2JC	"	77,044	239	58	129
*K2MK	"	75,843	202	46	113
*K2CJ	"	66,452	172	36	112
*WA2BMH	"	50,592	154	37	99
*W2CCC	"	50,540	155	38	95
				(OP: K2CS)	
*WA2MCR	"	47,840	167	55	105
*N2RI	"	36,890	157	54	101
*K2EKM	"	29,362	110	27	79
*WA2VQV	"	22,620	103	29	58
*K2IZ	"	21,070	98	28	70
*WB2AA	"	12,516	60	34	50
*N2UM	"	10,780	63	21	56
*N2JSO	"	3,726	35	21	33
*K2VX	"	3,542	41	16	30
*N3SY/2	"	2,379	24	15	24
*WA2IAU	"	425	14	5	12
***KD2RD**	**14**	**339,880**	**838**	**29**	**116**
*K2MFY	"	164,347	412	28	121
*W2AW	"	127,680	418	23	91
*W2DXA	"	41,895	157	21	84
				(OP: W2KKZ)	
***K2RR**	**3.5**	**31,648**	**138**	**20**	**66**
*K3BU/2	1.8	1,200	32	9	11
K3CR	**A**	**5,330,100**	**3021**	**142**	**510**
				(OP: LZ4AX)	
AA1K/3	**"**	**3,864,576**	**2483**	**130**	**462**
*KI3O	"	178,210	291	68	183
*WO3Z	"	148,144	286	55	142
*WB8YYY/3	"	141,900	302	56	164
*W3DQN	"	126,350	262	47	143
*WA3OFF	"	89,056	203	54	130
*K3KU	"	58,140	149	45	108
*W3TB	"	54,826	164	55	103
*N3TG	"	47,002	148	46	96
*W3TUA	"	45,844	197	43	103
*KN3A	"	41,720	138	57	92
*N3XL	"	38,646	156	34	79
*N3WU	"	37,710	147	21	69
*N8NA/3	"	31,625	106	41	84
*W3CB	"	17,138	89	27	55
*KA3DRR	"	14,904	90	29	40
*K3PG	"	12,152	82	35	63
*W3RT	"	4,900	88	39	59
*AF3Z	"	3,520	39	22	33
*AA3II	"	1,700	18	16	18
*KF3CV	"	100	3	3	3
*W3EH	21	638	15	8	14
*W3OD	"	2,304	29	12	24
***NS3T**	**3.5**	**54,390**	**229**	**19**	**79**
K4ZW	**A**	**3,900,600**	**2618**	**132**	**418**
W4RX	**"**	**2,230,072**	**1584**	**126**	**407**
N6AR/4	**"**	**1,948,620**	**1315**	**125**	**439**
N4TB	**"**	**1,706,232**	**1333**	**118**	**388**
WO4O	"	1,380,288	1218	112	336
W4QM	"	1,017,904	865	103	349
K4LTA	"	924,320	1032	107	329
K4RO	"	908,776	781	110	339
KC4HW	"	27,136	104	26	80
KZ1X/4	"	26,250	99	30	75
KI4FZY	"	23,711	127	47	84
K1ZW/4	"	17,860	90	30	64
W4PV	"	5,329	51	27	46
W4OJC	"	4,896	83	39	57
K4FJ	**21**	**159,616**	**473**	**24**	**104**
K4PIC	"	16,425	102	17	56
K4CEB	"	9,666	73	16	38
K4RV	"	627	12	7	12
KK9A/4	**14**	**246,192**	**636**	**30**	**108**
K4RDU	"	53,025	198	22	83
AI4WW	"	1,100	19	9	13
N4PN	**7**	**665,533**	**1466**	**38**	**149**
N4QV	"	100,415	298	27	106
W4YA	"	49,926	203	24	82
AF4Z	"	7,216	84	23	65
AA7JV/4	**3.5**	**101,660**	**361**	**23**	**92**
K4PI	**1.8**	**71,585**	**300**	**20**	**83**
W9IXX/4	"	1,242	27	8	19
***K1PT/4**	**A**	**1,641,413**	**1273**	**114**	**377**
***W3AU/4**	**"**	**1,246,768**	**978**	**107**	**357**
				(OP: K4GKD)	
***N4YDU**	**"**	**968,814**	**960**	**108**	**354**
*WK2G/4	"	952,614	1160	85	269
*N4IG	"	773,817	769	93	300
*NA4K	"	769,120	728	104	314
*WA4DOU	"	637,007	643	88	283
*WA1FCN/4	"	632,024	725	105	292
*WD4AHZ	"	601,370	634	94	261
*W4YE	"	573,903	611	89	274
*NA4CW	"	337,876	420	85	223
*N4AO	"	24,947	99	32	69
				(OP: WC4E)	
*K4BK	"	24,396	102	39	68
*NA4C	"	24,380	133	44	71
*N4AU	"	23,653	94	39	70
*AI4RJ	"	23,005	103	39	68
*KS4S	"	22,977	107	34	77
*KI4EZC	"	22,275	105	33	66
*K4BX	"	21,400	99	35	65
*K4FTO	"	15,244	91	37	66
*N4HH	"	11,880	59	38	52
*N4LS	"	11,858	60	35	42
*KI4EGT	"	11,397	93	32	55
*WA4OSD	"	9,750	61	32	43
*W4EBA	"	9,576	62	26	46
*WA4EUL	"	8,976	58	23	43
*K3QC/4	"	8,140	47	21	34
*W4IEI	"	8,030	86	26	47
*W4WNT	"	6,864	60	30	48
*K4AGT	"	5,238	39	18	36
*N4MIO	"	5,029	89	38	69
*WN4DX	"	2,774	29	12	26
***K4WI**	**28**	**4,392**	**50**	**14**	**22**
***W4IX**	**21**	**124,740**	**364**	**26**	**106**
*WB4TDH	"	86,760	273	27	93
***N4MO**	**14**	**181,090**	**532**	**26**	**104**
*N4ECJ	"	123,291	389	28	105
*K4NVJ	"	19,890	97	24	61
***N4PSE**	**7**	**80,040**	**261**	**25**	**91**
*W4/KH6NF	"	56,571	214	24	85
				(OP: KH6SH)	
*K4PG	"	40,420	180	22	72
*WA2ASQ/4	"	18,576	95	19	53
*NQ4K	"	9,512	81	16	42
*KT4MM	"	1,480	59	13	24
***N2WN/4**	**1.8**	**27,846**	**172**	**17**	**61**
*KR4OW	"	260	19	8	12
N2IC/5	**A**	**3,838,352**	**2370**	**153**	**449**
WXØB/5	**"**	**2,245,120**	**1847**	**127**	**385**
				(OP: AD5Q)	
W5KFT	"	917,244	1251	103	239
				(OP:N1XS)	
WD5K	"	847,430	792	105	310
N5PO	"	621,632	712	91	261
WA5VGI	"	325,752	446	96	198
K5EWJ	"	238,392	385	81	183
K7IA/5	"	221,914	370	86	176
N5TU	"	150,804	308	69	167
N5PHT	"	103,872	229	55	137
KD5JAA	"	98,256	224	67	117
N5UL	"	97,196	198	64	124
WØZW/5	"	53,352	158	52	100
N5DY	"	38,121	114	42	89
K5HP	"	6,767	55	27	40
W5MJ	"	5,934	101	16	30
K5GA	**14**	**424,960**	**927**	**35**	**131**
K5NZ	**7**	**144,305**	**446**	**34**	**99**
K5RX	**1.8**	**31,752**	**157**	**19**	**65**
***N5AW**	**A**	**1,506,560**	**1080**	**130**	**405**
***K5KLA**	**"**	**518,396**	**546**	**89**	**270**
*KC5R	"	483,564	538	96	258
*W5GAI	"	281,358	405	90	204
*K5FP	"	275,772	387	85	183
*WA5SOG	"	165,567	288	73	168
*W5ZL	"	110,019	202	74	143
*W5RYA	"	87,615	202	59	118
*WK5X	"	86,955	215	52	135
*KØGEO/5	"	66,836	178	50	104
*NN5T	"	61,344	161	54	88
*KE5LQ	"	25,506	104	44	65
*N5PU	"	24,840	101	34	74
*K5BZH	"	22,705	105	33	62
*AC5ZQ	"	17,017	55	31	42
*W5IL	"	14,490	90	37	68
*KE5OG	"	14,194	78	38	56
*KO5D	"	12,324	66	31	48
*W5PQ	"	10,570	66	27	43
*WB5NMZ	"	7,553	56	32	51
*AC5AA	"	5,244	39	25	32
*NM5M	"	1,862	27	14	24
*AA5VU	"	250	52	26	24
***N4IJ/5**	**14**	**172,205**	**427**	**33**	**122**
*N5DO	"	155,774	415	32	110
***N5ER**	**7**	**27,412**	**127**	**22**	**67**
K6NA	**A**	**1,894,742**	**1430**	**139**	**343**
N6TV	**"**	**1,872,780**	**1687**	**116**	**304**
K6XX	**"**	**1,826,437**	**1502**	**131**	**336**
WC6H	**"**	**1,738,317**	**1550**	**125**	**302**
				(OP: NU6S)	
W6PH	"	1,332,873	1190	124	299
W6UM	"	582,498	540	118	296
K6NR	"	417,956	524	101	207
KC6X	"	413,336	549	91	217
N6VI	"	353,010	497	95	192
K6LRN	"	337,212	433	95	211
AJ6V	"	163,178	399	63	103
NF6R	"	160,056	306	73	143
K6YK	"	123,000	241	69	131
WO6M	"	94,520	240	61	109
N6MA	"	89,512	235	67	100
W6KC	"	47,500	138	48	77
K6TD	"	43,296	145	46	86
WS6X	"	42,568	138	53	83
KN6Y	"	37,288	155	57	101
NO6X	"	31,122	116	42	75
W6SX	"	22,041	101	43	50
W6GMU	"	17,763	99	38	55
W6DRX	"	14,104	79	39	43
W6ISO	"	1,260	21	15	20
K6RAD	"	1,196	19	12	14
N6AA	"	968	17	10	12
				(OP: N6TR)	
AE6RR	"	12	2	2	2
W6YA	**21**	**92,977**	**331**	**28**	**81**
W4UAT/6	**14**	**54,945**	**221**	**30**	**69**
N6AW	**7**	**95,700**	**234**	**35**	**110**
K5KT/6	**"**	**62,620**	**206**	**30**	**94**
W6DCC	"	14,972	113	27	49
K6OY	**3.5**	**172,386**	**564**	**33**	**89**
***N6RV**	**A**	**328,539**	**536**	**97**	**194**
***N6OR**	**"**	**287,640**	**473**	**73**	**209**
*KM6Z	"	220,220	363	79	163
*W6/VK2IMM	"	212,060	392	80	150
*W6ZL	"	176,440	308	79	141
*W6RFF	"	168,181	314	78	143
*AA6EE	"	113,700	286	58	92
*KA6NGR	"	104,823	241	63	108
*K6AAB	"	76,479	195	60	99
*N6EM	"	48,909	183	51	68
NY3A	**"**	**2,363,816**	**1971**	**100**	**342**
N1WR	"	1,579,390	1342	98	332
K3TC	"	1,009,757	870	111	358
K3MSB	"	630,338	623	88	298
N3RJ	"	561,132	711	80	247
N3UM	"	546,060	713	66	219
K3IE	"	423,964	519	82	250
N3KR	"	386,880	487	72	238
K3PU	"	308,160	383	84	237
N3KCJ	"	169,604	348	54	164
NA3F	"	82,212	209	56	130
W3FVT	"	66,256	207	45	119
W3RJ	"	64,064	173	44	99
N3BNA	"	58,440	197	33	87
N3EHY	"	47,736	178	44	109
AA3VA	"	40,192	131	39	89
W3FAF	"	30,058	128	37	76
K3YG	"	29,700	111	32	76
W6AAN/3	"	24,075	90	34	73
N3NZ	"	21,627	98	23	66
W6NRJ/3	"	14,097	96	45	82
K3GW	**14**	**125,629**	**353**	**26**	**105**
K3ATO	7	16,133	107	18	55
W3NO	**3.5**	**109,215**	**304**	**29**	**106**
W9GE/3	"	79,911	271	23	94
NA3M	"	50,900	210	21	79
W3GH	**1.8**	**25,972**	**124**	**18**	**68**
***K3AU**	**A**	**1,178,739**	**1046**	**104**	**343**
				(OP: K2YWE)	
***WF3M**	**"**	**307,851**	**437**	**60**	**207**
*W3IUU	"	253,232	365	68	204
*WA3GNW	"	178,710	317	55	175
N3JT/4	"	863,702	841	93	289
AA4NN	"	830,552	882	93	301
K4PV	"	798,000	1191	92	244
W9WI/4	"	737,180	748	103	307
K4AB	"	550,680	676	101	289
N4AA	"	501,208	522	82	262
K4DJ	"	495,625	593	80	245
AF4OX	"	477,425	595	85	240
KE4R	"	431,424	543	74	247
W2OO/4	"	393,928	498	78	250
W2YE/4	"	373,415	454	87	242
N4MM	"	339,160	405	80	225
W3BP/4	"	313,040	424	67	213
K4AMC	"	311,808	460	65	191
W7QF/4	"	269,874	393	77	205
N4BCB	"	143,068	296	48	140
K4QD	"	141,235	355	63	172
W4AU	"	136,533	257	58	155
N4IR	"	131,290	256	44	146
W4PM	"	130,269	294	35	138
N4DJ	"	120,560	227	64	156
K4ZGB	"	103,320	313	48	116
K4DGJ	"	96,957	204	56	133
K8KI/4	"	94,272	256	54	138
N4LZ	"	83,328	199	47	121
AB4IQ	"	79,422	258	46	140
N4DXI	"	56,682	163	42	99
N4KZ	"	54,636	153	56	118
AE4EC	"	52,688	109	46	82
W7HJ/4	"	40,348	114	48	106
KA1ARB/4	"	32,630	105	44	86
N4UC	"	28,770	98	45	92
*N4JF	"	333,540	476	84	243
*W4RQ	"	216,056	354	58	181
*AA4LR	"	210,058	361	68	186
*N4ARO	"	209,560	344	64	196
*WJ9B/4	"	156,275	369	52	123
*W4ARM	"	155,742	332	56	146
*N4WO	"	150,308	302	60	152
*K7CS/4	"	147,288	273	67	161
*N4EK	"	143,613	290	56	141
*WR4F	"	126,430	245	68	201
*W4EEH	"	112,670	227	59	131
*W4NBS	"	102,410	251	58	151
*KN4Y	"	95,904	248	63	153
*NU4I	"	93,730	216	53	129
*K4HAL	"	92,415	208	59	124
*K4JAF	"	90,525	192	70	143
*W4ZYT	"	83,000	197	51	115
*N5VI/4	"	76,557	201	46	123
*W4TMO	"	73,040	178	54	122
*N4UFP	"	71,410	194	57	128
*WØBUH/4	"	62,967	212	37	102
*K3CQ/4	"	61,812	211	39	114
*W3TB/4	"	59,148	164	55	104
*K6ETM/4	"	55,421	149	56	101
*WB4SQ	"	50,512	192	48	116
*AF4PP	"	39,585	142	56	89
*W7IY/4	"	39,168	126	43	101
*KI4CBN	"	37,252	130	42	92
*K4UK	"	36,850	133	47	87
*N4LF	"	33,178	119	28	78
*K3MZ/4	"	26,499	103	42	79
*W4DEC	"	25,320	106	44	76

*WW6D	"	41,745	140	49	72
*AA6DX	"	18,144	92	38	46
*K6CSL	"	16,109	115	37	52
*KØNW/6	"	15,604	103	37	46
*W6UR	"	14,700	83	34	50
*K6CSL	"	13,175	115	37	48
*NA6G	"	5,757	86	28	29
*KA6GDT	"	4,116	55	23	26
*K6RM	"	3,936	36	20	21
*N6QZS	"	3,648	41	15	17
*N6ERD	"	200	7	5	5
***K6CU**	**14**	**19,241**	**114**	**24**	**47**
KO7AA	**A**	**1,839,328**	**1547**	**124**	**334**
K7GK	**"**	**1,437,056**	**1298**	**126**	**310**
W2VJN/7	**"**	**1,427,819**	**1308**	**121**	**288**
K7RL	"	866,550	1012	107	220
N7TT	"	720,513	860	110	249
WY7I	"	588,506	761	94	229
N7ZG	"	503,728	685	100	204
W7AT	"	405,224	611	114	182
					(OP: W7EW)
K7ZA	"	390,544	507	98	210
KG7H	"	389,355	540	94	209
N6TW/7	"	309,636	466	98	184
K7MM	"	308,700	521	79	166
W7YS	"	292,400	426	85	187
K7GQ	"	233,761	332	82	187
NQ7R	"	220,332	429	80	164
K7EG	"	175,840	315	65	159
K7HC	"	161,766	314	81	177
N8GZ/7	"	161,508	350	99	159
KB7N	"	150,520	295	73	139
W6AEA/7	"	112,424	259	59	125
KN7T	"	108,500	265	66	109
NI7R	"	104,823	236	59	112
N6MA/7	"	99,588	235	67	105
W7SYJ	"	98,334	242	50	112
N6KW/7	"	98,280	229	59	109
WA1PMA/7	"	90,804	201	61	127
KS7T	"	84,645	216	58	107
KF7PG	"	84,409	220	59	92
W7IIT	"	76,916	212	46	88
W7/DL1UF	"	37,908	111	65	91
W7XA	"	26,069	108	46	85
W7LKG	"	17,732	105	22	40
W7TTE	"	12,155	54	32	53
K7DD	"	10,640	75	40	55
W8TK/7	"	6,758	48	26	36
NE7X	"	100	8	8	8
N6MZ/7	"	6	1	1	1
W7WA	**14**	**320,850**	**841**	**36**	**114**
W7KKR	"	20,435	115	23	44
KC7UP	"	11,152	72	22	46
K7AO	**7**	**190,057**	**507**	**32**	**101**
W9PL/7	"	15,312	97	18	40
W8AEF/7	**3.5**	**48,287**	**175**	**28**	**81**
K8BN/7	**"**	**47,508**	**176**	**28**	**79**
K7OX	**1.8**	**4,082**	**67**	**12**	**14**
***K7JE**	**A**	**193,772**	**322**	**72**	**179**
***W3CP/7**	**"**	**193,276**	**352**	**78**	**151**
***K7ACZ**	**"**	**187,935**	**316**	**89**	**166**
*K7HBN	"	174,045	318	66	139
*N7LOX	"	171,496	375	70	124
*NG7Z	"	141,531	309	70	121
*W7RV	"	104,804	218	75	122
*NE7D	"	104,652	255	64	98
*AB7RW	"	97,173	243	66	111
*W7TMT	"	68,292	220	48	78
*NW7E	"	58,984	159	52	94
*W7QN	"	55,083	188	53	76
*W7QDM	"	51,408	169	43	93
*K7GS	"	46,990	181	42	85
*K6UM/7	"	38,808	149	36	62
*W7HS	"	35,340	115	43	71
*WAØWWW/7	"	30,015	150	43	72
*N7VS	"	29,532	140	49	58
*K7MO	"	28,527	119	44	67
*N7EPD	"	25,810	115	37	52
*N7WI	"	24,648	115	29	49
*K7TR	"	23,958	154	51	70
*W4LSC/7	"	23,433	92	37	70
*KE7YF	"	21,870	106	35	46
*K7XV	"	20,580	98	35	63
*W9CF/7	"	19,320	89	35	49
*NS7K	"	18,849	92	43	60
*WØXR/7	"	18,810	105	41	58
*AA7IH	"	17,088	174	25	39
*N7EIE	"	14,848	99	32	32
*W7DIT	"	10,024	83	25	31
*W7GT	"	9,724	83	24	28
*W7VXS	"	9,120	83	19	29
*W7GH	"	8,073	50	31	38
*K7ARJ	"	7,560	64	25	31
*KU7T	"	5,499	67	24	23
*N7QS	"	4,212	42	16	20
*N7TL	"	3,843	68	30	31
*AB7CF	"	2,209	37	22	25
*KJ7UN	"	594	12	9	8
***N7WA**	**14**	**95,970**	**360**	**27**	**78**
*K7AV	"	220	11	6	5
***AA7AX**	**7**	**18,318**	**135**	**21**	**50**
*N7IE	"	2,268	34	12	16
*WA7BME	"	228	7	5	7
***W7RH**	**1.8**	**2,695**	**44**	**14**	**21**
N8II	**A**	**1,950,036**	**1506**	**113**	**361**
K8GL	**"**	**1,736,658**	**1186**	**128**	**409**
K8MP	"	1,055,876	962	110	318
W8ERD	"	911,360	850	112	333
NF8R	"	459,068	538	75	239
N8MZ	"	429,624	474	93	258
N4ZR/8	"	368,771	539	70	177
W8UD	"	352,086	448	82	221
W3IQ/8	"	323,306	489	53	204
KT8Y	"	302,016	433	78	208
W8TE	"	271,744	337	104	248
W8OHT	"	142,880	299	61	174
W8PN	"	141,570	298	57	138
K8OT	"	17,000	97	31	69
W8EJK	"	12,416	73	38	59
W8ZU	"	8,520	92	27	44
W8TK	"	5,782	48	26	33
W8MET	"	1,204	18	12	16
KT8X	**21**	**34,629**	**152**	**21**	**76**
K8DD	**14**	**344,904**	**768**	**33**	**135**
W8TWA	"	126,362	354	27	107
AC8W	**7**	**111,895**	**362**	**30**	**109**
W8JGU	"	74,802	210	34	103
K8MD	**3.5**	**37,673**	**194**	**21**	**80**
N8EA	**1.8**	**20,424**	**117**	**18**	**56**

***N8AA**	**A**	**985,886**	**842**	**103**	**348**
***WB8JUI**	**"**	**712,218**	**695**	**95**	**302**
*KV8Q	"	500,094	569	82	261
*W8GOC	"	268,464	396	65	207
*WB8TLI	"	213,213	318	75	198
*W8IDM	"	121,576	254	52	130
*K3XO/8	"	102,024	257	35	121
*N9AUG/8	"	101,990	262	69	166
*W8KX	"	97,216	176	60	164
*K8VUS	"	85,500	198	59	121
*K8EE	"	80,115	273	39	108
*WBØKWJ/8	"	78,480	222	53	127
*K8AB	"	63,318	207	58	125
*NF8M	"	50,736	137	54	97
*WD8KRV	"	42,395	165	51	88
*W8KTQ	"	33,180	215	45	113
*KD8RB	"	28,583	110	33	68
*N8WS	"	23,280	110	37	83
*W8TM	"	17,072	78	26	62
*W8AN	"	17,020	111	41	74
*K8WV	"	16,920	79	35	59
*K8ZIZ	"	16,320	85	35	61
*W8EH	"	11,200	63	20	50
*W8ASA	"	2,091	29	18	23
*N8KV	"	1,504	23	14	18
*N8CX	"	85	11	8	9
*W8CR	"	1089	18	14	13
***K8IR**	**14**	**54,648**	**210**	**23**	**76**
*AF8C	"	17,301	100	19	54
***W8GG**	**3.5**	**22,590**	**117**	**21**	**69**
***K8BL**	**1.8**	**4,715**	**59**	**12**	**29**
W9OP	**A**	**746,823**	**791**	**88**	**283**
K9VV	**"**	**669,086**	**715**	**90**	**284**
WI9WI	"	545,650	651	92	258
N9FC	"	342,798	463	75	216
AB9H	"	281,397	391	78	213
N9AKR	"	181,492	251	82	232
W9SE	"	176,412	311	73	171
W3HDH/9	"	171,288	298	63	171
NO9E	"	145,728	233	79	174
W9GXR	"	122,728	248	50	134
WT9U	"	122,591	251	62	149
K9ZU	"	82,164	214	41	123
K9CAN	"	77,292	242	27	77
KK9H	"	66,216	228	62	124
K9JM	"	62,155	155	56	99
NE9Z	"	55,870	182	64	121
N9NA	"	17,098	85	38	65
K9OT	"	15,930	81	34	56
WB9AYW	"	754	17	13	13
AI9T	21	15,792	80	21	63
K9CJ	**7**	**84,870**	**268**	**26**	**97**
***N4TZ/9**	**A**	**1,450,400**	**1073**	**119**	**399**
***K9QVB**	**"**	**724,176**	**743**	**94**	**282**
*W9ILY	"	286,113	425	78	205
*AC9X	"	275,280	406	84	212
*K9OM	"	240,464	366	69	197
*W9OA	"	203,634	341	70	173
*K1TN/9	"	201,824	335	61	177
*K9JE	"	136,112	276	50	138
*NA9U	"	37,500	167	52	98
*W9YO	"	37,083	133	46	95
*KC9GQN	"	32,760	139	41	79
*K9UIY	"	26,255	119	25	64
*KD9MS	"	19,030	96	40	70
*N9LYE	"	17,856	79	35	61
*K9PY	"	17,628	92	42	71
*KC9GBX	"	17,458	88	31	55
*N9TTX	"	13,112	67	35	53
*W9VQ	"	12,556	65	32	54
*N9ID	"	12,325	67	28	57
*N9RC	"	11,193	75	36	55
*NV9X	"	6,324	53	28	40
*N9GBB	"	6,164	56	15	31
*K9QH	"	6,104	48	18	38
*N9TF	"	5,856	38	27	34
*KC9HGW	"	4,558	55	23	30
*WR9Y	"	4,300	47	22	28
*W9UM	"	2,146	25	16	21
*WB8BZK/9	"	1,360	23	15	19
*W9HR	"	1,161	38	11	28
*KB9YGD	"	1,152	25	18	18
*N9LGP	"	315	11	9	6
*AB9LA	"	105	22	8	7
***K9WZB**	**28**	**1,998**	**31**	**12**	**15**
***N9LJX**	**14**	**28,135**	**199**	**19**	**66**
*W9/DM5TI	"	16,864	172	17	51
*N9IH	7	48	25	3	3
KU1CW/Ø	**A**	**2,392,704**	**1587**	**136**	**440**
KØSR	**"**	**1,504,116**	**1144**	**121**	**392**
KØDEQ	"	401,835	490	84	217
WØTT	"	394,362	473	75	252
KØMD	"	331,574	477	96	290
WØJPL	"	314,314	397	88	226
NØRN	"	261,702	357	79	200
WØHBH	"	139,328	236	68	156
KØJJR	"	125,008	264	63	145
WKØP	"	103,408	247	58	126
WØUY	"	92,880	208	58	122
WØBH	"	90,852	205	67	134
KJØG	"	78,624	211	67	115
WØHW	"	76,076	196	60	122
WBØN	"	55,942	175	51	115
KGØUA	"	42,705	139	37	80
WØML	"	41,667	139	40	89
NØUY	"	40,171	160	45	94
KØPC	"	12,936	65	32	56
WØKU	"	8,806	52	32	42
KT5E/Ø	**7**	**115,115**	**430**	**30**	**85**
KØOD	"	60,420	221	27	87
KØRI	"	20,250	120	21	54
KØGT	1.8	63	4	4	3
***WØETT**	**A**	**412,128**	**524**	**92**	**226**
***NØSXX**	**"**	**211,544**	**404**	**76**	**172**
*NØHR	"	173,304	304	75	174
*KØPK	"	162,192	317	71	147
*KNØV	"	106,971	211	64	133
*NGØT	"	79,610	184	65	125
*WBØKWJ	"	76,320	222	53	127
*NAØN	"	73,788	172	54	118
*KCØVKN	"	51,765	141	47	98
*KØALT	"	48,384	154	56	88
*WØQQG	"	35,532	161	46	95
*ADØH	"	35,136	134	45	77
*AAØAW	"	34,194	138	50	89
*KSØM	"	24,780	127	43	75
*K6MJ/Ø	"	23,919	112	41	78
*WØRAA	"	23,896	121	49	67

*N1WQ/Ø	"	23,391	153	40	73
*NØBUI	"	22,892	101	30	67
*NØGOS	"	20,174	114	27	50
*WØZQ	"	19,040	84	44	68
*NØBK	"	17,425	85	35	50
*NBØZ	"	11,360	55	31	49
*NAØBR	"	8,103	76	34	39
*KIØJ	"	7,991	66	28	33
*KØRY	"	6,318	95	35	43
*WAØIAF	"	5,040	71	32	48
*K2HT/Ø	"	2,436	21	17	25
*KØXTR	"	1188	32	13	10
*WAØBNX	"	792	17	10	14
*WYØV	"	462	47	26	40
***WØPC**	**21**	**1,275**	**20**	**9**	**16**
***KØPJ**	**3.5**	**20,746**	**133**	**20**	**62**

Alaska

KL7WV	**A**	**300,690**	**1191**	**49**	**81**
					(OP: W3YQ)
KL8DX	**14**	**27,258**	**304**	**19**	**23**
*KL7NC	A	4,332	88	20	18

Anguilla

***VP2EDL**	**7**	**513,291**	**1699**	**26**	**103**
					(OP: DL5CW)

Antigua & Barbuda

***V26K**	**A**	**7,220,340**	**5526**	**123**	**417**
					(OP: AA3B)

Bahamas

***C6AQQ**	**A**	**2,978,024**	**3270**	**99**	**329**
					(OP: ND3F)
*C6AGY	"	44,821	293	52	81
					(OP: ND6S)
***C6AKX**	**14**	**807,696**	**2475**	**31**	**111**
					(OP: KE7X)
***C6ATA**	**7**	**1,142,803**	**3133**	**33**	**124**
					(OP: K2KW)

Barbados

8P5A	**A**	**9,040,800**	**6565**	**141**	**459**
					(OP: W2SC)
8PØP	"	157,140	426	57	123
					(OP:8P9NX)
*8P9MN	A	64,581	195	25	60
					(OP: DF8AN)

Belize

V31DF	**A**	**1,747,040**	**2856**	**88**	**217**
					(OP:WJ2O)

Bermuda

***OH1VR/VP9**	**14**	**546,763**	**2016**	**28**	**105**

Canada

VY2ZM	**A**	**6,885,168**	**4708**	**124**	**449**
					(OP: K1ZM)
VY2TT	**"**	**6,072,935**	**4552**	**115**	**430**
					(OP: K6LA)
VO1HE	**"**	**414,072**	**498**	**73**	**251**
VE1MC	**"**	**372,960**	**601**	**61**	**198**
***VE1RGB**	**A**	**977,262**	**1102**	**82**	**292**
***VA1MM**	**"**	**803,979**	**1256**	**77**	**220**
***VY2SS**	**"**	**733,410**	**1307**	**68**	**193**
*VE1DT	"	565,110	883	61	209
*VO1TA	"	60,024	301	20	62
*VE1JS	"	31,473	121	37	80
*VO1BQ	"	1,587	38	9	14
*VY2LI	"	918	27	14	13
VE2IM	**A**	**4,325,664**	**3941**	**108**	**384**
					(OP: VE3DZ)
VE2TZT	**"**	**2,370,400**	**2598**	**103**	**297**
VE2FK	"	506,788	897	67	177
VE2AYU	"	157,080	437	36	118
VE2LG	"	17,404	95	22	54
VA2WDQ	**3.5**	**158,050**	**714**	**19**	**90**
***VE2AWR**	**A**	**511,344**	**825**	**66**	**202**
*VE2SG	"	363,135	987	59	156
*VA2SG	"	274,890	691	51	136
*VE2AXO	"	79,800	278	45	95
*VE2FFE	"	69,938	283	39	82
*VE2SB	"	61,005	200	49	98
*VE2LX	"	13,871	148	36	61
***VE2HLS**	**14**	**28,548**	**171**	**17**	**61**
VC3A	**A**	**4,968,440**	**3908**	**125**	**432**
					(OP: VE3AT)
VC3J	**"**	**4,853,208**	**3877**	**128**	**423**
VE3EY	**"**	**3,611,762**	**3157**	**117**	**382**
VE3NE	"	2,503,250	2359	114	361
VE3CX	"	507,185	695	97	240
VE3IQ	"	55,328	146	42	110
VE3IAY	**21**	**50,255**	**224**	**20**	**75**
					(OP: VE3KI)
VE3FU	**14**	**709,440**	**1800**	**32**	**128**
VE3KI	**7**	**334,260**	**1101**	**25**	**110**
VE3XN	"	73,320	270	24	96
VE3ZI	**1.8**	**170,128**	**717**	**25**	**87**
VE3CUI	"	3,530	199	5	5
***VA3NR**	**A**	**739,882**	**1268**	**81**	**205**
***VE3GSI**	**"**	**553,828**	**777**	**77**	**230**
***VE3JM**	**"**	**503,620**	**900**	**72**	**188**
*VE3FDT	"	288,580	565	67	168
*VE3XD	"	228,661	395	69	182
*VE3OM	"	129,056	247	60	158
*VE3TW	"	125,440	329	50	110
*VE3GLO	"	118,854	304	60	126
*VE3FH	"	118,404	256	63	135
*VA3ATT	"	57,620	204	38	96
*VA3OBR	"	57,023	227	45	82
*VE3OX	"	35,052	153	52	86
*VE3XAT	"	26,790	129	32	62
*VE3OBU	"	22,712	114	47	89
*VA3HUN	"	15,906	135	27	39
*VA3SWG	"	8,424	142	31	50
*VE3LXL	"	6,784	59	23	30
*VE3IGJ	"	5,184	68	12	24
*VE3NCQ	"	3,948	43	19	23
*VE3RCN	"	350	13	7	7
***VE3FJ**	**14**	**30,780**	**147**	**18**	**63**
*VE3IAE	"	21,588	103	19	65
*VE3THX	"	12,928	93	16	48
***VA3SY**	**7**	**14,658**	**266**	**15**	**27**
***VE3OSZ**	**1.8**	**25,262**	**376**	**11**	**23**
***VE4YU**	**A**	**36,295**	**124**	**36**	**83**
VE5CPU	**A**	**14,820**	**102**	**28**	**48**
***VE5SF**	**A**	**62,580**	**389**	**30**	**54**
VE6EX	**A**	**723,620**	**1880**	**73**	**121**
VA6IK	"	137,104	340	55	121
VE6EPK	"	14,835	116	26	43
VE6JY	**14**	**457,064**	**1395**	**35**	**117**
					(OP: VA7RR)
VE6WQ	**7**	**125,337**	**486**	**31**	**92**
***VE6BF**	**A**	**70,358**	**255**	**58**	**69**
***VE6CNU**	**14**	**112,746**	**647**	**27**	**59**
VA7ST	**A**	**571,155**	**1449**	**68**	**127**
VE7SQ	"	148,088	465	61	112
VA7RN	"	124,244	307	66	112
***VE7NH**	**A**	**320,292**	**676**	**80**	**137**
*VA7KOJ	"	90,630	245	62	109
*VE7JKZ	"	87,057	238	63	90
*VE7BGP	"	17,848	112	43	49
*VY1EI	A	6,080	167	11	9

Cuba

CO8ZZ	**3.5**	**232,680**	**1061**	**21**	**84**
***CO8LY**	**21**	**346,203**	**1397**	**25**	**92**
***CO8TW**	**14**	**19,030**	**137**	**25**	**85**
***CO2WF**	**7**	**75,297**	**687**	**16**	**41**
***CO6LP**	**3.5**	**78,810**	**630**	**18**	**56**

Dominican Republic

***HI8RV**	**A**	**311,805**	**742**	**61**	**144**

El Salvador

***YS/K9GY**	**A**	**1,711,970**	**2459**	**100**	**238**

Grenada

*J39BS	A	13,875	91	32	43
*J37T	"	10,773	121	17	40
					(OP:VE3EBN)

Guadeloupe

FG/F6ARC	**7**	**308,566**	**1221**	**25**	**81**

Honduras

HQ2A	**A**	**4,329,555**	**4683**	**107**	**328**
					(OP: N6AA)
***HQ9R**	**A**	**296,829**	**887**	**59**	**118**
					(OP: WQ7R)
*HR2DX	7	6,992	97	12	26
*HR2DMR	1.8	140	19	3	2

Martinique

FM5BH	**A**	**6,441,472**	**5093**	**130**	**417**
					(OP: JE1JKL)

Mexico

XE2GG	**A**	**2,398,935**	**3354**	**110**	**231**
XE1MM	**"**	**1,163,350**	**2180**	**78**	**187**
XE2S	"	398,250	880	85	140
XE1V	"	288,896	604	82	162
***6H1IM**	**A**	**851,400**	**2337**	**72**	**128**
					(OP: XE1IM)
*XE1NW	"	518,175	1145	73	152
*XE2MX	"	134,400	346	77	147
*XE2AI	"	12,390	185	18	17
***XE3WAO**	**21**	**30,975**	**261**	**17**	**42**
***XE1CT**	**14**	**276,804**	**1312**	**28**	**80**

Nicaragua

***H7/K9NW**	**A**	**6,065,800**	**5271**	**122**	**398**

Panama

HP1/DJ7AA	**14**	**1,244,796**	**3106**	**37**	**137**
***HP1AC**	**21**	**92,655**	**529**	**22**	**65**
*HP1DCP	7	1,612	33	11	20

Puerto Rico

KP4JRS	21	1,518	29	8	15
***WP3C**	**14**	**785,188**	**2266**	**30**	**116**
*NP3CW	3.5	726	17	7	14

Sint Maarten

***PJ7/DJ5HD**	**A**	**128,594**	**312**	**65**	**161**

St. Kitts & Nevis

V47NT	**A**	**9,695,355**	**6996**	**132**	**459**
					(OP: N2NT)

St. Vincent

***J88DR**	**A**	**3,066,388**	**3164**	**101**	**335**
					(OP: G3TBK)

U.S. Virgin Islands

KV4FZ	**1.8**	**144,987**	**805**	**20**	**73**

AFRICA

Algeria

7XØRY	**A**	**1,236,000**	**1494**	**64**	**236**

Angola

***D2NX**	**A**	**1,581,954**	**1564**	**93**	**270**
					(OP: JM1CAX)

Canary Islands

EA8MQ	**A**	**1,096,470**	**1677**	**73**	**197**
EA8/OH4NL	**7**	**1,595,698**	**3306**	**36**	**133**
***EA8CN**	**A**	**2,375,460**	**2022**	**88**	**327**
***EA8OM**	**"**	**1,799,204**	**1583**	**87**	**310**
*EA8EY	"	126,973	277	43	144
*AO8AY	"	52,197	183	39	98
					(OP: EA8AY)
*EA8/PC8E	"	12,672	71	25	41
*EA8AG	"	2,862	147	45	114
***EA8FT**	**21**	**280,125**	**793**	**27**	**98**
*AO8DA	"	77,430	309	19	70
*EA8BVP	"	14,355	108	15	40
***EA8AVK**	**14**	**85,162**	**434**	**16**	**61**
*EA8/DL8NU	"	37,392	206	18	64
***AO8NQ**	**7**	**85,054**	**349**	**17**	**69**
					(OP: EA8NQ)

Chagos Islands

VQ9LA	**A**	**520,161**	**821**	**75**	**174**

Djibouti

***J28OO**	**A**	**1,166,956**	**1513**	**73**	**211**
					(OP: T95A)

Ghana

***9G5XA**	**21**	**492,282**	**1369**	**27**	**99**
					(OP: G3XAQ)
***9G5ZZ**	**14**	**527,730**	**1303**	**31**	**116**
					(OP: DL1CW)
***9G5ZS**	**7**	**11,316**	**129**	**20**	**49**

Madagascar

5R8NL	**A**	**522,111**	**831**	**66**	**171**

Madeira Islands

CT3NT	**A**	**3,755,805**	**2927**	**110**	**355**
					(OP: CT1BOH)
CT3AS	"	719,495	786	76	261
CT3BD	**7**	**21,024**	**123**	**15**	**58**
***CT3KU**	**14**	**32,336**	**139**	**19**	**75**

Mauritius

***3B8GT**	**A**	**141,108**	**471**	**39**	**93**

Morocco

CN3A	**A**	**8,353,488**	**5261**	**126**	**446**
					(OP: IK2QEI)
CN2AW	**14**	**1,387,176**	**2904**	**38**	**130**
					(OP: RV1AW)
CN2FB	**3.5**	**1,590,288**	**3244**	**35**	**133**
					(OP: UA2FB)
CN2FF	**1.8**	**618,849**	**1599**	**26**	**107**
					(OP: UA2FF)
CN2R	**"**	**559,860**	**1568**	**26**	**98**
					(OP: W7EJ)

Mozambique

C91KDJ	**A**	**950,790**	**1496**	**61**	**185**
					(OP: W5KDJ)

Namibia

V51AS	**A**	**3,092,630**	**2815**	**98**	**312**
***V5/DJ4SO**	**A**	**522,592**	**824**	**70**	**154**
*V51YJ	"	15,990	92	23	42

Senegal

6W1RW	**A**	**7,400,808**	**4622**	**128**	**436**
					(OP: F6BEE)
6W1SE	**21**	**143,543**	**657**	**21**	**58**
					(OP: JK1UWY)
***6W1SJ**	**7**	**920,880**	**2207**	**32**	**112**
					(OP: T98A)

South Africa

ZS4TX	**A**	**5,974,229**	**4059**	**127**	**396**
ZS1EL	"	1,065,065	1412	73	204
***ZS6AA**	**A**	**2,362,222**	**2717**	**73**	**241**
*ZS6C	"	43,818	146	48	86
*ZS5NK	"	5,170	84	24	31
***ZS4U**	**21**	**145,782**	**797**	**19**	**59**
*ZS6CCW	"	130,566	512	22	72
*ZS4JAN	7	5,588	71	14	30

Swaziland

3DAØZO	**A**	**4,708,092**	**3491**	**124**	**365**
					(OP: N5ZO)

Tanzania

5H3EE	**A**	**3,739,790**	**2770**	**119**	**351**
					(OP: DL4SM)

Tunisia

3V2A	**A**	**13,112,736**	**7415**	**135**	**473**
					(OP: YT1AD)

Uganda

***5X1NH**	**A**	**784,728**	**1463**	**68**	**184**
					(OP: G3RWF)

ASIA

Asiatic Russia

UA9CLB	**A**	**5,555,004**	**3788**	**134**	**412**
RO9O	**"**	**2,260,268**	**2194**	**104**	**324**
					(OP: RZ9OO)
UA9OG	**"**	**1,728,465**	**1778**	**106**	**311**
RX9SA	"	1,706,900	1369	117	388
UA9JLL	"	1,528,255	1432	97	298
UA9CMQ	"	1,155,294	1370	72	246
RA9AP	"	1,151,820	1332	69	255
UA9CDC	"	974,482	942	94	288
UA9WIK	"	528,355	775	52	199
RA9UN	"	366,980	734	63	173
UA9BS	"	357,720	547	61	203
UA9FM	"	210,375	454	43	144
RW9UW	"	194,937	407	46	135
RK9KWI	"	186,543	421	56	133
RZ9OJ	"	116,655	422	29	76
RV9AZ	"	108,346	310	41	101
RW9UOB	"	93,483	270	42	99
RV9XM	"	41,310	200	23	58
RU9UC	"	40,824	131	35	91
RV9XO	"	36,494	125	50	92
UA9MI	"	33,410	137	38	92
UA9SAW	"	29,700	130	51	81
UA9XK	"	13,585	83	18	47
UA9CIM	"	7,140	60	21	47
UA9QA	**21**	**72,756**	**370**	**23**	**71**
RZ9YF	"	57,876	258	23	68
RV9JE	**14**	**327,570**	**1029**	**30**	**92**
UA9TT	"	262,104	826	33	101
RA9JM	"	187,488	692	24	88
RW9WT	**7**	**148,924**	**524**	**27**	**97**
RV9SV	**3.5**	**372,834**	**1247**	**29**	**97**
UA9TQ	**"**	**250,668**	**991**	**21**	**78**
RX9TX	"	184,575	651	23	84
UA9KAA	**1.8**	**39,715**	**244**	**11**	**54**
***UA9BA**	**A**	**3,215,660**	**2271**	**119**	**396**
***RA9FTM**	**"**	**1,353,047**	**1591**	**74**	**249**
*RU9WZ	"	1,059,580	1450	69	241
*UA9AX	"	922,624	906	98	326
*UA9MQR	"	880,950	968	86	264
*RA9DZ	"	791,780	1025	72	233
*UA9BX	"	784,406	1021	67	234
*RV9CP	"	678,240	1112	59	181
*RA9AE	"	636,768	896	72	225
*UA9AL	"	517,360	936	69	221
*UA9FGJ	"	488,628	644	62	215
*RA9XF	"	398,976	813	50	142
*UA9OLO	"	215,472	487	49	152
*UA9TF	"	205,140	315	68	192
*UA9MW	"	202,161	417	61	176
*RU9UG	"	153,510	313	64	151
*UA9CR	"	138,165	303	49	134
*UA9OW	"	134,106	363	53	133
*RV9UF	"	126,519	363	57	124
*UA9WZ	"	122,298	254	49	138
*RX9DJ	"	103,026	283	34	120

*UA9AOL	"	90,270	255	44	126
*UA9TZ	"	69,760	199	42	118
*RV9CQ	"	55,085	193	28	87
*RK9XX	"	53,613	258	28	83
*RU9AZ	"	45,344	164	31	78
*UA9FEG	"	31,862	165	25	64
*RA9SN	"	29,900	188	27	88
*RV9UB	"	26,335	143	47	68
*UA9KB	"	25,024	109	33	59
*UA9OV	"	22,265	122	24	49
*RU9BS	"	14,520	159	33	77
*RA9SAS	"	3,293	51	15	22
*UA9UX	"	16	2	2	2
***RW9RA**	**21**	**46,240**	**234**	**19**	**66**
*RV9YK	"	26,670	156	18	52
*UA9QQ	"	20,650	145	12	47
*UA9QF	"	19,110	161	17	53
*UA9OMT	"	3,663	52	10	23
***RW9DX**	**14**	**269,568**	**843**	**32**	**112**
*RV9JR	"	107,217	458	23	76
*RA9JG	"	73,744	356	19	69
*RW9UY	"	61,659	321	21	72
*RW9SZ	"	23,166	146	14	52
*RA9AFZ	"	22,857	162	12	45
*RZ9HK	"	22,572	197	18	48
*RA9YQA	"	8,788	90	15	37
*RA9SKL	"	5,635	86	8	27
***RK9AX**	**7**	**158,873**	**520**	**28**	**93**
*RK9AJZ	"	146,048	525	28	84
***RW9QA**	**3.5**	**40,238**	**257**	**12**	**47**
***RV9YZ**	**1.8**	**14,688**	**171**	**11**	**37**
*UA9OS	"	352	23	7	9
RWØLT	**A**	**1,018,920**	**1210**	**131**	**289**
RVØAL	**"**	**768,339**	**1003**	**84**	**267**
UAØYAY	**"**	**601,082**	**799**	**97**	**261**
UAØFAI	"	523,120	1119	99	161
UAØAZ	"	487,084	750	85	238
RKØUT	"	249,912	569	80	154
UAØACG	"	223,608	578	78	153
UAØFDX	"	191,678	443	81	158
UAØZAM	"	171,661	756	60	77
UAØSC	"	141,542	433	60	121
UAØYM	"	89,676	321	50	109
RAØQC	"	65,280	507	31	65
UAØWL	"	11,390	103	26	41
UAØCW	"	3,354	32	16	27
RAØAA	**21**	**84,780**	**393**	**23**	**67**
UAØAGI	**14**	**390,998**	**1308**	**32**	**105**
RAØQD	"	159,952	822	27	77
RUØUA	"	4,859	76	12	31
RUØLL	**3.5**	**173,988**	**896**	**28**	**80**
RWØCF	"	5,832	62	19	35
UAØANW	**1.8**	**74,400**	**468**	**17**	**58**
RZØSR	"	16,359	153	15	42
UAØCA	"	9,200	96	19	31
RWØCN	"	2,970	70	15	15
***RAØAQL**	**A**	**346,500**	**561**	**69**	**183**
*UAØSDX	"	252,992	548	69	167
*UAØAKY	"	198,848	484	66	142
*UAØCNX	"	198,300	897	52	98
*UAØABB	"	197,398	364	61	168
*UAØSR	"	126,528	352	54	138
*RAØAY	"	126,204	327	45	111
*RWØAA	"	68,295	246	47	98
*UAØOD	"	55,937	256	44	87
*UAØSBQ	"	50,874	206	43	79
*RNØSS	"	25,155	104	36	81
*RZØCQ	"	18,662	99	37	49
*UAØSJ	"	1,008	29	8	13
*RNØCW	21	987	28	9	12
*RNØJM	14	8,478	73	18	36
***UAØSAD**	**7**	**47,047**	**221**	**24**	**67**
***RXØAE**	**1.8**	**345**	**20**	**7**	**8**

Asiatic Turkey

YM2W	**28**	**54,595**	**323**	**11**	**50**
					(OP: OK1MU)
TA3DD	**21**	**3,672**	**43**	**11**	**25**
***TC3A**	**7**	**1,423,800**	**3124**	**36**	**139**
***TA2RC**	**1.8**	**129,204**	**648**	**11**	**63**

Azerbaijan

***4K9W**	**A**	**370,992**	**544**	**67**	**195**
*4K6DI	3.5	7,074	62	12	42

Bangladesh

***S21ZDX**	**7**	**115,260**	**543**	**29**	**73**
					(OP: LA7JO)

China

BA7IO	**A**	**319,088**	**768**	**78**	**181**
BA5HAM	"	234,740	717	82	138
BA4DW	14	6,084	50	16	36
***BD5WW**	**A**	**663,663**	**1341**	**91**	**182**
***B4VE**	**"**	**342,702**	**1041**	**83**	**158**
					(OP: BA4VE)
*BA6QD	"	275,366	677	69	152
*BD6IVX	"	225,134	795	61	121
*BD5CFB	"	183,064	544	72	124
*BG4DVK	"	101,943	342	44	97
*BY1DX	"	58,760	506	41	63
*BD4IZL	"	55,424	408	52	76
*BD4ITN	"	54,390	397	45	60
*BD4IBW	"	53,648	327	42	70
*BD4SX	"	44,016	174	50	81
*BD1FBV	"	34,720	182	48	76
*BG7NWF	"	7,344	61	22	32
*BG3OAK	"	1,085	29	14	17
*BG1FVL	"	432	32	15	21
***BD4SI**	**21**	**28,425**	**236**	**24**	**51**
***BD4IXA**	**14**	**48,447**	**424**	**15**	**48**
*BD4QO	"	8,880	85	20	28

Cyprus

C4I	**14**	**1,219,239**	**2474**	**39**	**150**
					(OP: LZ2HM)
C4M	**3.5**	**575,100**	**1632**	**29**	**106**
					(OP: 5B4AGM)
***C4Z**	**14**	**348,357**	**943**	**34**	**117**
					(OP: G4ODV)

Drifting Ice Station (Zone 18)

*R35NP	A	9,263	76	20	39
					(OP: RW1AI)

Georgia

4LØA	**A**	**7,297,524**	**4860**	**125**	**433**
					(OP: UU4JMG)
4L6X	"	984,786	1449	62	196
***4L2M**	**3.5**	**169,400**	**769**	**17**	**71**

Hong Kong

***VR2/AA1ON**	**A**	**466,336**	**1241**	**85**	**151**
*VR2ZUY	"	2,142	33	15	19

India

***VU2PTT**	**A**	**486,673**	**671**	**75**	**218**
*VU2JOS	"	4,232	92	20	26
***VU3DJQ**	**21**	**8,619**	**99**	**14**	**37**
*VU2NIS	14	418	18	9	13

Israel

4Z5TA	**A**	**1,576,155**	**1701**	**87**	**270**
***4Z5QQ**	**7**	**35,630**	**216**	**14**	**56**

Japan

JF1PJK	**A**	**1,146,915**	**1460**	**111**	**220**
JK1OPL	**"**	**1,025,060**	**961**	**129**	**299**
JH1FSF	"	237,468	390	89	168
JA1AYO	"	186,780	403	86	134
JH1EVD	"	170,820	354	71	124
JA1QOW	"	167,409	378	67	104
JA1HP	"	152,586	372	57	116
JR1LEV	"	125,650	319	65	110
JN1WFF	"	68,976	194	60	84
7J1ABD	"	38,170	153	50	60
JN1RQV	"	21,917	85	42	59
JF1NZW	"	13,237	83	26	35
7N4KDU	"	12,716	72	26	42
JH1NXU	"	7,590	54	29	37
JA1FWY	"	6,533	89	24	23
JS1IFK	21	1,764	33	12	16
JF1SQC	**14**	**509,878**	**1308**	**35**	**114**
JS1OYN	"	205,436	724	32	84
JK1LUY	"	4,340	50	10	25
JH1RFM	**7**	**73,476**	**312**	**33**	**84**
JH1OGC	**3.5**	**231,732**	**875**	**31**	**92**
JK1LEE	"	12,264	104	19	37
JA1KVT	**1.8**	**3,200**	**58**	**13**	**19**
***JI1RXQ**	**A**	**804,678**	**1018**	**108**	**214**
***JH1RNI**	**"**	**421,960**	**639**	**94**	**180**
***JF1NHD**	**"**	**419,265**	**802**	**84**	**147**
*JP1JFG	"	397,540	574	93	193
*JP1QDH	"	338,985	594	80	163
*JG1TVK	"	193,351	332	84	155
*JA1JQY	"	151,424	354	66	116
*JA1HNW	"	124,236	308	72	102
*JA1BPN	"	115,928	308	64	108
*JG1OWV	"	111,888	226	86	136
*JA1BNW	"	98,700	253	70	118
*JA1XPU	"	81,702	245	60	93
*JP1SRG	"	78,566	222	70	93
*7N1BHO	"	77,765	247	69	82
*JF1OIJ	"	72,864	242	72	104
*JA1AZR	"	72,030	224	59	88
*JA1PJS	"	70,756	233	54	79
*JA1FRQ	"	64,400	200	73	102
*JH1TXG	"	59,682	202	61	86
*JJ1MZH	"	53,818	188	62	80
*JE1RRK	"	53,130	226	43	67
*JA1BUI	"	49,368	194	53	68
*JA1PTO	"	44,472	190	50	59
*JI1AVY	"	43,848	158	49	67
*JE1REU	"	40,370	153	51	59
*JH1FNU	"	36,256	161	42	61
*JA1HG	"	33,864	135	47	55
*JH1MTR	"	31,779	132	46	61
*JM1KNI	"	30,960	152	41	49
*JR1ATA	"	30,906	132	46	55
*JA1MVK	"	28,832	139	43	63
*JA1HTG	"	27,876	139	41	51
*JA1CP	"	25,025	137	35	42
*JK1WXM	"	22,176	114	37	47
*JA1IZ	"	21,244	108	40	54
*JH1OLB	"	19,380	131	30	46
*JO1SIM	"	17,222	121	30	49
*JA1IWP	"	16,954	90	42	56
*JA1CPZ	"	16,766	81	34	49
*JQ1AHZ	"	16,330	105	30	41
*JK1NSR	"	15,372	79	38	46
*JA1WHG	"	13,363	112	39	44
*JJ1IVX	"	12,426	85	26	31
*JJ1LRD	"	10,150	84	26	32
*JA1PKS	"	10,005	84	31	38
*JA1WQX	"	8,990	62	29	33
*JH1HYC	"	8,514	62	30	36
*JF1HJX	"	7,191	64	20	31
*JK1ATT/1	"	7,068	56	25	32
*JA1ANG	"	5,346	61	30	36
*JE1NVD	"	5,335	46	22	33
*JG1FGL	"	5,202	50	22	29
*JH1APK	"	4,750	48	19	19
*7N4CLI	"	4,662	50	21	21
*JK1SDQ	"	3,400	59	22	28
*JR1UMO	"	3,040	30	18	20
*7K1EQG	"	2,958	35	17	17
*JI1UDD	"	2,262	32	11	18
*JN1BBO	"	1,215	19	13	14
*JA1ANF	"	814	13	10	12
*JJ1WWL	"	630	13	9	9
*JA1PS	"	585	18	5	10
*JH1XOQ	"	345	13	11	12
*JE1UKM	"	176	8	5	6
*JN1HYU	"	126	6	4	3
*JE1FWI	"	63	7	5	4
*JA1BFN	"	48	8	4	8
*JH1DMC	"	8	2	2	2
***JJ1GQH**	**21**	**24,010**	**137**	**23**	**47**
*JA1CTB	"	17,850	115	26	49
*JI1BBN	"	9,006	84	21	36
*JA1DBG	"	4,560	56	15	25
*JI1LAI	"	6	1	1	1
***JA1BPA**	**14**	**353,484**	**866**	**38**	**124**
*JA1YAI	"	86,314	337	30	73
*JF1TEU	"	3,872	44	19	25
*JF1FNT	"	1,672	39	10	9
***7N2DAB**	**7**	**102,487**	**367**	**32**	**89**
*JH1HTQ	"	14,170	126	24	41
*7N2JNN	"	9,850	39	13	23
*JE1JAC	"	795	25	8	7
*JA1AAT	"	560	13	5	11
*JJ1PTI	"	24	4	1	1
*JA1DCL	"	16	2	2	2
*JG1FMA	"	8	9	4	4
***JH1APZ**	**3.5**	**24,150**	**144**	**25**	**50**
***JM1NKT**	**1.8**	**4,428**	**66**	**14**	**22**
*JE1SPY	"	2,407	50	13	16
JF2QNM	**A**	**968,803**	**1243**	**117**	**202**
JN2AMD	**"**	**686,350**	**1262**	**99**	**160**
JA2HO	"	95,274	229	71	87
JO2SLZ	"	4,343	45	20	23
JF2FIU	7	288	9	8	8
***JA2AXB**	**A**	**541,994**	**718**	**113**	**210**
***JH2NWP**	**"**	**530,178**	**716**	**107**	**212**
*JA2KVB	"	406,252	563	98	210
*JA2VZL	"	128,432	302	77	107
*JA2KKA	"	68,572	221	49	75
*JA2QVP	"	48,190	179	50	72
*JA2KPW	"	41,360	158	45	65
*JQ2EHD	"	20,740	101	36	49
*JH2XTV	"	5,724	48	24	30
*JA2KCY	"	5,376	49	21	27
***JH2MYN**	**28**	**770**	**19**	**9**	**13**
*JQ2OUL	21	576	17	6	10
***JL2LPX**	**14**	**63,388**	**276**	**26**	**66**
*JR2TMB	"	6,688	77	16	22
*JE2DJC	"	3,901	43	20	27
*JA2PFO	7	11,700	100	21	31
***JF2WXS**	**3.5**	**9,798**	**98**	**22**	**47**
JR3NZC	**A**	**790,359**	**957**	**105**	**222**
JN3SAC	**"**	**311,240**	**541**	**75**	**176**
JA3EGZ	"	153,252	646	28	58
JR3XEX	"	122,844	350	65	109
JH3AIU	**14**	**526,953**	**1283**	**36**	**125**
JA3DAY	"	61,655	245	30	65
JI3KDH	**1.8**	**8,400**	**94**	**17**	**31**
***JH3CUL**	**A**	**380,520**	**598**	**96**	**184**
***JH3PTC**	**"**	**258,489**	**490**	**83**	**148**
*JA3JM	"	184,871	444	69	130
*JA3AA	"	154,215	373	74	133
*JG3LGD	"	89,910	201	75	110
*JA3UWB	"	81,026	294	43	84
*JM3AVI	"	74,000	227	59	89
*JH3JYS	"	35,991	124	58	71
*JO3EVM	"	3,960	47	20	24
***JL3RDC**	**28**	**66**	**5**	**2**	**4**
***JR3EOI**	**21**	**152,097**	**557**	**33**	**88**
***JI3BFC**	**14**	**185,380**	**577**	**34**	**96**
*JK3GWT	"	107,576	443	31	82
*JN3DSH	"	24,024	124	29	49
***JF3IYW**	**7**	**22,320**	**139**	**25**	**47**
*JQ3UWK	"	1,407	28	11	10
*JG3EHD	"	120	10	3	1
***JA3GN**	**3.5**	**20,370**	**148**	**23**	**47**
*JF3LOP	"	7,546	72	19	30
JH4UYB	**A**	**3,752,242**	**2685**	**162**	**392**
JA4AQR	"	9,204	83	13	26
JM4WUZ	**14**	**90,092**	**381**	**30**	**71**
JH4UTP	**7**	**104,670**	**525**	**28**	**62**
***JE4MHL**	**A**	**222,610**	**421**	**82**	**144**
*JF4XUT	"	6,958	67	21	28
*JA9DJG/4	"	1,920	27	14	16
*JA4CBX	21	84	4	3	4
***JR4GPA**	**14**	**109,182**	**470**	**27**	**66**
*JR4FLW	"	86,595	333	32	83
***JR4URW**	**7**	**14,307**	**108**	**22**	**35**
JA5APU	**14**	**47,696**	**298**	**28**	**60**
JA5DQH	**7**	**861,713**	**1850**	**37**	**136**
JA5JGV	1.8	513	18	8	11
***JR5HXU**	**A**	**335,688**	**519**	**97**	**187**
*JJ5ECZ	"	1,748	27	21	25
***JG5DHX**	**14**	**26,013**	**159**	**20**	**49**
JA6WIF	**28**	**12,993**	**130**	**22**	**39**
JA6SHL	**14**	**300,074**	**1009**	**32**	**86**
JA6BZI	**7**	**217,288**	**561**	**36**	**121**
JA6VU	**1.8**	**6,364**	**71**	**16**	**27**
***JA6CYL**	**A**	**178,920**	**369**	**75**	**135**
*JH6WXF	"	480	19	9	11
***JH6WHN**	**28**	**2,822**	**43**	**14**	**20**
***JA6FFK**	**14**	**37,960**	**213**	**24**	**49**
***JA6WW**	**"**	**12,261**	**67**	**19**	**31**
*JA6FCL	"	4,477	43	12	25
***JL6IPK**	**7**	**13,255**	**106**	**22**	**33**
*JS6RXB	"	1,224	19	10	14
JA7BME	**A**	**636,103**	**884**	**107**	**186**
JA7COI	**"**	**629,958**	**857**	**118**	**200**
JA7IC	**"**	**629,442**	**842**	**112**	**194**
JA7ZP	"	110,744	266	84	134
JA7OWD	**28**	**1,200**	**25**	**9**	**15**
JH7XMO	**21**	**69,286**	**311**	**32**	**66**
JH7XGN	**14**	**338,982**	**930**	**35**	**112**
JA7AKH	"	90,118	473	26	56
JA7MJ	**3.5**	**40,572**	**236**	**27**	**57**
JA7EU	"	16,506	130	22	41
***JH7QXJ**	**A**	**145,152**	**322**	**72**	**117**
*JA7LMZ	"	125,257	293	69	124
*JA7AEM	"	24,723	160	31	36
*JA7VEI	"	18,320	98	34	46
*JA7AXP	"	2,613	29	18	21
*JL7FBV	21	3,663	44	15	22
***JA7EDZ**	**14**	**15,120**	**129**	**21**	**33**
*JF7GDF	14	6,273	71	19	22
*JN7OJA	7	11,088	96	19	29
*JE7KCI	"	10,309	77	22	39
JA8NFV	**1.8**	**2,604**	**48**	**13**	**15**
***JH8SLS**	**A**	**930,369**	**1056**	**117**	**246**
*JA8AJE	"	109,044	293	58	98
*JL8MBF	"	19,402	121	37	52
*JA8UON	"	9,322	67	22	37
*JJ8GFL	"	6,396	58	26	26
*JE8NTJ	"	5,875	72	20	27
*JK8JIC	"	760	14	8	12
JF9JTS	**A**	**120,120**	**347**	**53**	**87**
JA9BGL	"	41,846	178	41	81
JA9CWJ	**14**	**139,955**	**479**	**30**	**85**
JR9NVB	**7**	**81,314**	**281**	**32**	**77**
*JA9RO	A	7,560	76	6	30
*JA9DOF	3.5	493	13	9	8
JJØJML	**A**	**468,559**	**782**	**89**	**158**
JAØUMV	**"**	**401,375**	**706**	**90**	**157**
JRØWZR	"	107,706	275	64	110
JAØGZ	"	2,304	33	17	19
JAØUH	**3.5**	**4,956**	**52**	**15**	**27**
JAØLHU	"	2,254	55	20	29
JAØDAI	**1.8**	**11,502**	**99**	**18**	**36**
***JHØNEC**	**A**	**419,321**	**671**	**91**	**168**
*JHØCCK	"	49,312	145	49	85
*JAØBMS	"	44,220	182	44	66
*JHØBLI	"	16,192	84	35	53
*JAØAVS	"	364	20	13	13
*JGØGGI	"	243	33	15	12
***JRØEQQ**	**21**	**27,468**	**156**	**28**	**56**
*JFØVMJ	"	6	1	1	1
***JHØEPI**	**14**	**124,320**	**434**	**32**	**79**
*JAØIOF	"	12,540	103	21	34
*JHØXUP	"	5,040	65	15	21
***JHØNVX**	**7**	**14,210**	**102**	**20**	**38**
*JAØGEY	"	4,255	51	17	20
*JAØNFP	"	2,356	41	14	17
*JAØDOW	"	2,130	32	13	17
***JHØNBN**	**3.5**	**3,564**	**67**	**21**	**33**

Kampuchea

XU7MWA	**A**	**1,133,150**	**1570**	**102**	**244**
					(OP: KMØO)

Kazakhstan

UPØL	**A**	**5,614,400**	**3995**	**126**	**424**
					(OP: UN9LW)
UN7QF	"	23,200	114	35	65
UN7ECA	"	19,824	92	27	57
UN5J	**21**	**153,906**	**626**	**28**	**85**
UN2BB	**14**	**80,427**	**408**	**21**	**62**
UN7PL	"	73,794	351	24	74
UN2E	**7**	**117,362**	**449**	**22**	**79**
UN4L	**3.5**	**588,846**	**1637**	**30**	**108**
***UN6P**	**A**	**1,301,250**	**1480**	**96**	**279**
*UN6G	"	404,041	671	65	188
*UN7PV	"	389,031	689	77	232
*UN8FM	"	37,177	161	39	74
*UNØC	"	12,298	76	29	57
					(OP: UN9C)
***UN4PG**	**21**	**19,158**	**133**	**17**	**45**
***UN6LN**	**14**	**348,300**	**1056**	**29**	**106**
*UN8PT	"	38,760	242	17	51
*UN4PD	"	36,404	207	19	57
***UN7CM**	**3.5**	**61,712**	**319**	**15**	**61**
*UN7CN	"	55,543	342	12	55
*UN7BN	"	30,429	205	14	49

Kuwait

9K2HN	**A**	**8,287,614**	**4986**	**149**	**477**
					(OP: KL2A)

Kyrgyzstan

EX2A	**A**	**942,019**	**1321**	**77**	**234**

Laos

XW1A	**A**	**1,915,975**	**2230**	**130**	**313**

Mongolia

JT1BH	**A**	**501,120**	**1268**	**75**	**186**
JT1T	"	496,222	1484	77	150
JT1BV	"	51,712	258	47	81
***JT1CO**	**A**	**2,322,936**	**3061**	**111**	**308**

Oman

A45XR	**A**	**8,684,269**	**5063**	**151**	**498**

Saudi Arabia

HZ1EX	**A**	**2,623,446**	**2329**	**102**	**321**
***HZ1IK**	**7**	**21,312**	**126**	**18**	**54**

Singapore

9V1YC	**A**	**1,661,088**	**2008**	**115**	**301**

South Korea

HL2AEJ	**A**	**1,216,334**	**1852**	**93**	**214**
HL5UOG	**"**	**291,341**	**530**	**81**	**158**
6K2ABX	"	234,430	935	75	122
HL2FDW	**14**	**157,058**	**801**	**32**	**86**
***HL2SQQ**	**A**	**92,016**	**317**	**53**	**91**
***HL1VAU**	**"**	**79,488**	**331**	**58**	**86**
*D9K	"	39,249	343	39	50
					(OP: DS3MLG)
*HL5YI	"	15,834	104	41	50
***DS5KJR**	**14**	**18,864**	**262**	**20**	**28**

Taiwan

BU2AI	**A**	**337,050**	**1001**	**76**	**134**

Tajikistan

EY8CQ	A	12,224	68	19	45
EY8DQ	**21**	**14,628**	**194**	**14**	**32**
EY7AF	**7**	**949,548**	**2358**	**34**	**125**
EY8MM	**1.8**	**343,012**	**1251**	**27**	**89**

Thailand

HSØZAR	**A**	**2,923,600**	**3305**	**118**	**282**
					(OP: K3ZO)
HSØZDR	**21**	**32,648**	**177**	**24**	**64**
***HSØZGL**	**A**	**137,825**	**348**	**51**	**134**
*HSØZEE	"	55,145	236	70	135
*E2ØYLM	"	42,334	187	50	72
***HSØEHF**	**21**	**23,652**	**137**	**23**	**58**
***HS8KAY**	**14**	**5,152**	**76**	**18**	**28**

UK Bases on Cyprus

ZC4LI	**14**	**1,294,033**	**2881**	**36**	**133**

Uzbekistan

UK9AA	**1.8**	**128,138**	**681**	**14**	**65**
***UK8AKK**	**A**	**262,080**	**501**	**69**	**165**
***UK7F**	**3.5**	**9,553**	**96**	**10**	**31**

West Malaysia

9M2CNC	**A**	**2,347,127**	**2549**	**115**	**322**
					(OP: G4ZFE)
9M2GCN	7	368	9	7	9
***9M5ØMP**	**A**	**885,300**	**1887**	**86**	**214**
					(OP: 9M2TO)
***9M5ØMB**	**21**	**61,770**	**558**	**21**	**66**

EUROPE

Aland Islands

OGØZ	**28**	**17,325**	**237**	**10**	**53**
					(OP: OH1RX)
OHØZ	**21**	**224,353**	**901**	**32**	**125**
					(OP: OH5DX)
OHØR	**3.5**	**537,695**	**2417**	**36**	**119**
					(OP: OH2PM)
OHØM	**1.8**	**192,720**	**1381**	**22**	**88**
					(OP: OH1JT)

Andorra

***C31CT**	**A**	**21,375**	**171**	**32**	**93**

Austria

OE2BZL	**A**	**1,184,758**	**1784**	**87**	**307**
OE3KAB	"	373,096	739	67	231
OE3DXA	"	322,164	618	74	240
OE6MDF	"	229,957	417	71	176
OE9SLH	"	60,588	294	41	121
OE3GSA	**7**	**265,350**	**1171**	**32**	**118**
***OE5CWL**	**A**	**658,746**	**1669**	**73**	**224**
*OE1TKW	"	56,400	216	37	113
*OE8CCQ	"	19,412	151	22	70
***OE6IMD**	**7**	**109,652**	**358**	**33**	**125**
*OE2UKL	"	55,224	337	23	81
***OE3BCA**	**1.8**	**64,200**	**865**	**12**	**63**

Azores

CU2A	**A**	**7,400,808**	**5945**	**141**	**507**
					(OP: OH2UA)
***CU2AF**	**A**	**4,602**	**59**	**27**	**51**

Balearic Islands

EA6AZ	A	2,958	45	20	38
EA6SX	**1.8**	**84,740**	**857**	**19**	**76**
***EA6ZS**	**A**	**9,506**	**129**	**10**	**39**
*EA6DM	"	140	20	7	13
***EA6UP**	**21**	**99,576**	**632**	**29**	**79**
***EA6NB**	**7**	**91,567**	**663**	**22**	**81**

Belarus

EW8KY	**A**	**557,220**	**1077**	**84**	**286**
EU7SA	"	35,088	109	50	86
EU4LY	"	18,150	151	23	87
EW6GL	"	3,696	37	15	27
EW7LO	**7**	**291,688**	**1419**	**34**	**118**
EW3LN	"	71,688	425	27	89
EV1Z	**3.5**	**377,146**	**1764**	**33**	**121**
					(OP: EU1UN)
EW8EW	"	217,833	1490	24	99
EW8DX	"	162,863	1432	19	78
EW2DN	"	23,936	314	11	53
EU3AR	**1.8**	**89,991**	**1053**	**14**	**67**
***EW8CY**	**A**	**912,924**	**1384**	**97**	**331**
*EU4CQ	"	198,653	530	62	197
*EW1KT	"	58,720	240	48	112
*EU6AA	"	42,840	236	36	100
***EU2MM**	**21**	**34,300**	**149**	**25**	**75**
***EU1DX**	**14**	**269,280**	**808**	**35**	**130**
*EW6EW	"	94,560	514	25	95
*EW6MM	"	22,050	211	16	59
*EW6AL	7	8,052	84	14	52
*EW6AW	"	1,984	57	8	24
***EU1DZ**	**3.5**	**48,462**	**506**	**13**	**69**
*EV6M	"	23,373	313	11	52

Belgium

OQ5A	**A**	**338,316**	**799**	**54**	**188**
OT4A	**7**	**433,320**	**2035**	**34**	**123**
					(OP: ON4AEK)
OO6C	"	56,320	450	21	67
OR6N	**3.5**	**123,214**	**1249**	**18**	**73**
					(OP: ON4NOK)
***ON4CDZ**	**A**	**616,187**	**1127**	**76**	**265**
					(OP: ON4RU)
*OR6C	"	244,801	579	56	173
					(OP: ON6CR)
*OQ4A	"	198,164	629	48	166
					(OP: ON6ML)
*ON4KNP	"	93,474	313	45	117
*ON4CT	"	68,224	358	39	125
*ON5WL	"	58,896	327	39	105
*ON5SD	"	36,059	193	29	78
*ON5HY	"	26,000	142	32	68
*OR8A	"	16,900	109	32	68
					(OP: ON8VA)
*ON5JD	"	16,440	144	32	88
*OOØA	"	8,832	100	16	53
*ON6LY	"	8,640	92	17	55
***ON3ND**	**14**	**72,567**	**372**	**22**	**73**
***OSØS**	**"**	**51,768**	**434**	**17**	**55**
*OO4O	"	51,084	273	26	82
					(OP: ON4APU)
*ON4KEP	"	4,730	85	14	29
***ON4ALY**	**7**	**45,105**	**331**	**19**	**74**

Bosnia-Herzegovina

T93O	**28**	**47,700**	**482**	**17**	**73**
E7/9A5K	**21**	**491,400**	**1474**	**36**	**144**
E7/9A8A	**7**	**1,103,256**	**3398**	**39**	**159**
***T94WG**	**A**	**191,828**	**489**	**54**	**163**
***T92M**	**21**	**7,992**	**72**	**17**	**37**
***T99W**	**7**	**283,200**	**1223**	**31**	**119**
*T99D	"	117,376	720	29	99

Bulgaria

LZ2SX	**A**	**145,527**	**354**	**59**	**120**
LZ8A	"	72,216	290	48	129
					(OP: LZ2BE)
LZ2PG	"	39,200	145	39	59
LZ1NG	**28**	**6,820**	**92**	**14**	**41**
LZ1QN	**21**	**51,088**	**193**	**28**	**96**
LZ4UU	**7**	**6**	**1**	**1**	**1**
LZ7J	**3.5**	**218,059**	**1565**	**27**	**100**
					(OP: LZ1YQ)
LZ2ZG	**1.8**	**1,908**	**65**	**5**	**31**
***LZ9R**	**A**	**1,295,111**	**1649**	**103**	**390**
					(OP: LZ3YY)
*LZ5XQ	"	381,416	987	70	208
*LZ7H	"	174,648	594	49	179
					(OP: LZ3FN)
*LZ1ONK	"	99,180	508	32	139
*LZ1KP	"	73,320	218	65	123
*LZ1WJ	"	37,454	124	47	75
*LZ1YY	"	24,024	129	33	71
*LZ2HN	"	21,056	99	35	77
***LZ1AG**	**28**	**1,872**	**64**	**13**	**26**
*LZ3PZ	"	25	5	2	3
***LZ2JA**	**21**	**79,560**	**335**	**29**	**88**
*LZ1DQ	"	30,690	199	24	69
***LZ9X**	**14**	**505,158**	**1711**	**39**	**138**
					(OP: LZ1RB)
*LZ6W	"	291,336	903	39	144
					(OP: LZ4ZP)
*LZ1FH	"	26,800	251	17	50
*LZ2CE	"	15,876	170	13	41
***LZ1QV**	**7**	**56,211**	**287**	**28**	**95**
*LZ2JR	"	13,440	234	13	47
*LZ2FM	"	11,592	98	12	57
*LZ1FI	"	5,100	45	14	36
*LZ1DNY	"	527	11	8	9
***LZ2PS**	**3.5**	**39,201**	**448**	**11**	**62**

Crete

SV9CVY	**A**	**6,986,736**	**6571**	**142**	**506**
					(OP: DL6FBL)
***SV9COL**	**A**	**954**	**49**	**18**	**35**

Croatia

9A1A	**A**	**5,765,256**	**4291**	**159**	**597**
9A5MT	**28**	**14,508**	**161**	**18**	**60**
9A4D	**21**	**351,354**	**954**	**37**	**149**
					(OP: 9A7DX)
9A5D	**"**	**305,322**	**1199**	**34**	**117**
					(OP: 9A3DU)
9A2VR	**3.5**	**174,624**	**1257**	**20**	**87**
9A4W	**1.8**	**95,914**	**906**	**17**	**74**
***9A3SM**	**A**	**224,664**	**508**	**71**	**225**
*9A2EY	"	176,176	485	58	184
*9A2TN	"	174,432	389	63	174
*9A5ANB	"	142,044	334	57	171
*9A6C	"	106,774	469	50	147
*9A2BW	"	83,936	346	42	130
*9A2OU	"	10,309	108	21	40
*9A5YY	"	1,092	30	6	7
***9A3VM**	**28**	**7,440**	**181**	**10**	**30**
*9A2DI	"	1,035	22	8	15
***9A3B**	**14**	**474,320**	**1407**	**39**	**137**
					(OP: 9A1AA)
***9A6M**	**3.5**	**181,170**	**1075**	**24**	**98**
***9A4C**	**"**	**180,264**	**1472**	**25**	**86**
					(OP: 9A3TF)
*9A3TU	"	11,102	115	11	50
*9A5BB	1.8	1,792	61	5	27

Czech Republic

OL1M	**A**	**1,096,146**	**2650**	**79**	**239**
					(OP: OK1EW)
OK1AOV	"	636,174	771	104	355
OK1AYY	"	595,289	1279	70	253
OL4M	"	589,600	1194	75	260
OK2ABU	"	543,504	1003	79	259
OL6W	"	470,020	851	74	257
					(OP: OK2FB)
OK2BZ	"	460,944	625	94	294
OK5XX	"	288,260	776	59	231
OK1EP	"	286,858	544	54	167
OK1FRO	"	218,900	835	38	161
OK1AXB	"	170,225	576	67	208
OK7MT	"	72,488	202	42	122
OK2KFK	"	38,664	258	30	78
					(OP: OK2ABU)
OK2QA	"	28,750	145	32	83
OK2EQ	"	27,588	85	47	74
OK1VD	**14**	**264,508**	**783**	**39**	**139**
OK5C	**7**	**1,100,486**	**2829**	**38**	**155**
					(OP: OK1RF)
OK5MM	"	76,250	471	25	100
					(OP: O5MM)
OK1DIB	"	70,912	356	25	103
OK2BYW	**3.5**	**466,439**	**1889**	**34**	**117**
OK1XC	"	112,424	879	22	82
OK1NE	**1.8**	**18,483**	**285**	**8**	**53**
OK1DWJ	"	2,448	48	5	43
***OL6P**	**A**	**2,301,740**	**2212**	**116**	**458**
					(OP: OK2WTM)
***OK6Y**	**"**	**1,109,670**	**1411**	**111**	**359**
					(OP: OK2PTZ)
***OK1BA**	**"**	**737,660**	**1058**	**79**	**306**
*OK1TC	"	730,296	1291	84	330
*OK1HX	"	642,674	1052	78	305
*OK1CO	"	442,242	1020	67	244
*OK1DKR	"	390,949	518	88	289
*OK1ZP	"	365,721	867	68	235
*OK1SI	"	323,744	718	59	243
*OK2LW	"	298,025	655	74	251
*OK1DUT	"	281,325	663	66	209
*OK2KPS	"	232,580	550	67	223
					(OP: OK2PTS)
*OK1AUP	"	230,154	525	62	205
*OK5TM	"	199,796	450	62	189
*OK2SGY	"	186,406	629	43	186
*OK1MZO	"	178,794	518	46	185
*OK1CRM	"	177,968	455	63	164
*OK2BRV	"	159,216	482	57	191
*OK1DKO	"	138,316	453	54	175
*OK2BJ	"	136,944	306	66	150
*OK2CLW	"	135,136	338	57	149
*OK1ABF	"	120,991	395	45	182
*OK1BMW	"	116,644	337	53	189
*OK2BNC	"	113,322	324	47	140
*OK2PAD	"	103,255	416	43	150
*OK1HCG	"	100,632	538	32	136
*OK2PQS	"	93,436	377	41	147
*OK2BV	"	87,890	453	36	134
*OK2BND	"	78,183	355	38	115
*OK2SAR	"	76,720	205	44	93
*OK1MNV	"	64,056	171	48	109
*OK1TFH	"	59,444	185	55	99
*OK1JL	"	55,926	450	24	93
*OK1DXU	"	41,923	295	22	91
*OK1DOZ	"	33,020	148	42	85
*OK1LO	"	26,040	141	32	73
*OK2PHI	"	19,720	141	23	62
*OK1DNJ	"	15,680	74	37	61
*OK2PCL	"	11,475	60	25	50
*OK2SWD	"	4,500	63	15	30
***OK2N**	**21**	**120,150**	**359**	**33**	**117**
					(OP: OK2NN)
*OK2BUT	"	24,400	148	24	56
*OK1KI	"	19,050	113	24	51
*OK1ARO	"	9,342	90	20	34
***OK2TBC**	**14**	**86,868**	**354**	**29**	**98**
*OK2FUG	"	22,649	164	18	53
*OK1MMN	"	13,640	128	14	41
***OK1TN**	**7**	**297,360**	**1059**	**36**	**144**
*OK1UG	"	110,856	472	30	119
*OK1AY	"	66,124	369	25	97
*OK1FCA	"	28,251	362	10	63
*OK1IWN	"	10,176	194	13	51
***OK7FL**	**3.5**	**113,646**	**1034**	**21**	**72**
*OK1IBP	"	31,390	342	12	61
*OK2BIU	"	9,126	189	8	46
***OK1NI**	**1.8**	**29,049**	**413**	**10**	**59**
*OK1MNW	"	26,980	331	9	62
*OK1MCW	"	16,951	242	9	58
*OK2BWC	"	13,552	234	7	49
*OK1KZ	"	5,292	129	5	37
*OK1DST	"	3,432	87	7	32
*OK2AJ	"	3,224	104	4	27
*OK2BWM	"	936	21	10	16

Denmark

OZ1LO	**A**	**1,979,450**	**2263**	**120**	**430**
OZ7AM	"	439,736	1193	69	194
OZ1JTE	"	385,749	699	83	268
OZ8SW	"	229,472	453	63	221
OZ7EA	"	36,176	298	25	94
OZ6EI	"	30,160	139	35	81
OZ7YL	21	9,982	70	17	45
OZ8A	**14**	**10,878**	**133**	**15**	**34**
OZ4O	**1.8**	**11,872**	**177**	**7**	**49**
***OV3X**	**A**	**692,835**	**1021**	**95**	**334**
					(OP: OZ8AE)
*OV5A	"	127,926	468	47	160
*OU3A	"	75,600	300	38	130
*OZ4RT	"	31,365	161	32	91
*OZ4FF	"	16,008	84	34	58
*OZ1DGQ	"	15,120	120	21	59
*OZ1JFK	"	2,294	34	13	24
*5P4RT	"	840	16	9	12
***OZ7RQ**	**7**	**112,200**	**673**	**28**	**108**
*5Q4A	"	1,116	30	8	23
***OZ7TTT**	**3.5**	**25,970**	**339**	**13**	**57**
					(OP: OZ5WQ)

England

M6T	**A**	**4,122,914**	**4273**	**136**	**421**
					(OP: G4PIQ)
G4BJM	**"**	**944,234**	**1650**	**80**	**266**
G3RXP	"	826,551	1490	75	288
G4FAL	"	568,848	1243	67	269
G3UFY	"	346,026	675	64	239
G3ZGC	"	270,600	692	57	207
G4SGI	"	264,638	621	52	201
G4WFQ	"	254,184	788	58	209
G4KFT	"	251,199	520	60	187
G7VJR	"	224,112	529	60	172
G4HZV	"	198,654	442	55	171
G4AMT	"	185,840	496	51	151
GØAZH	"	160,083	521	52	179
G3KLH	"	156,650	1064	27	103
GØBNR	"	139,384	342	64	198
MØAJT	"	126,492	497	37	129
G4MKP	"	100,464	524	35	133
G4IUF	**21**	**34,560**	**218**	**22**	**74**
G3TXF	**14**	**624,024**	**1937**	**36**	**126**
G3RAU	"	303,017	1106	33	110
G4ERW	"	109,964	703	18	56
M4T	"	91,233	657	21	72
					(OP: GØVQR)
G5LP	**1.8**	**101,000**	**728**	**20**	**81**
G3GLL	"	5,088	101	8	40
***G3WW**	**A**	**505,636**	**1075**	**67**	**265**
***G4FKA**	**"**	**443,001**	**1050**	**60**	**247**
***G3KKP**	**"**	**356,680**	**737**	**65**	**231**
*G4WGE	"	262,890	739	50	204
*G3VQO	"	252,992	745	47	189
*2EØCVN	"	230,048	788	46	178
*G4DDL	"	208,290	616	53	212
*G4DDX	"	205,530	690	47	174
*MØRTI	"	205,359	599	48	183
*GØHDB	"	149,340	443	48	180
*G3RSD	"	127,200	433	47	165
*G4EBK	"	125,820	533	35	145
*G4LPD	"	113,565	408	47	154
*MØVBY	"	92,612	332	41	128
*G3MPB	"	87,204	286	42	130
*G3MIR	"	82,824	218	62	170
*G4GOY	"	79,716	388	32	124
*G3WRR	"	54,612	227	39	109
*G4DBX	"	45,584	206	31	81
*MØPCB	"	42,066	235	30	93
*G3JIR	"	34,463	229	32	111
*G6CSY	"	33,390	221	23	82
*GØAZS	"	19,500	165	23	77
*GØMRH	"	12,615	139	21	66
*GØTKZ	"	12,324	117	22	56
*GØTMX	"	10,686	109	21	57
*G4RKO	"	10,512	75	16	45
*GØRDO	"	9,804	81	24	52
*MØCOP	"	3,422	51	12	47
***G4ZOB**	**21**	**24,153**	**165**	**20**	**63**
***GØCKV**	**7**	**130,650**	**665**	**26**	**108**
***G3KMQ**	**3.5**	**40,743**	**338**	**12**	**69**
***G3WPH**	**1.8**	**37,961**	**417**	**14**	**63**
*G3VYI	"	6,360	120	8	45

Estonia

ES5TV	**A**	**3,228,610**	**3617**	**143**	**456**
***ES2BH**	**A**	**74,646**	**368**	**45**	**153**
***ES4MM**	**21**	**27,846**	**153**	**24**	**67**
*ES8DH	7	5,984	95	13	55
*ES6CO	3.5	3,195	76	10	35

European Russia

RS3A	**A**	**2,739,924**	**2535**	**143**	**523**
					(OP: RA3CW)
RG3K	**"**	**2,510,749**	**2622**	**131**	**500**
					(OP: UA3QDX)
UA4FER	**"**	**2,066,076**	**2455**	**121**	**401**
RM3F	**"**	**2,043,500**	**2712**	**120**	**380**
					(OP: UA3DPX)
UA4CCG	"	1,547,666	1994	110	392
RW1ZA	"	1,181,601	1639	99	310
RN4WA	"	1,090,657	2121	95	324
RU3UR	"	1,035,251	1339	111	386
RV3FI	"	920,640	1507	89	322
RU3FF	"	743,688	1373	91	305
UA4SU	"	610,731	1091	79	262
UA1QM	"	607,872	1172	82	302
RK3DK	"	553,772	1180	81	253
UA6GP	"	505,386	876	87	291
RA3UT	"	436,100	553	101	344
RW4HP	"	431,225	996	61	174
RU6MD	"	250,660	501	78	224
RV1CC	"	247,680	543	66	222
UA6GM	"	208,800	569	64	176
UA4LA	"	170,478	432	74	213
RX3AJ	"	160,650	381	85	230
RZ3DA	"	146,880	317	74	198
UA3ICK	"	134,292	451	39	147
RA1OD	"	115,824	234	65	163
UA3DEE	"	113,850	350	43	122
RA3QN	"	113,295	431	51	144
UA3KW	"	112,710	201	85	170
RA3SS	"	112,176	230	69	177
UA1PAC	"	108,783	262	61	176
RN1NU	"	68,796	211	58	138
UA3TCJ	"	62,296	316	33	71
RV3TG	"	32,640	188	30	98
UA3QFU	"	26,136	100	45	76
UA3DPM	"	24,308	98	39	79
RU3SD	"	21,294	81	46	71
RU3MJ	"	19,481	96	46	75
UA4NCI	"	15,960	92	33	62
UA6HO	"	14,480	111	20	60
RW3MA	"	13,416	116	46	83
RX4HX	"	12,816	107	19	70
RW4PK	"	12,075	90	28	77
RX3RC	"	9,120	76	20	40
RK6HG	"	8,176	108	12	44
RN3DY	"	4,136	38	17	30
UA3QR	"	1,316	34	20	27
RN1CC	"	1,056	28	6	18
RA3TT	"	6	1	1	1
RC4Q	**21**	**199,375**	**855**	**30**	**115**
					(OP: UA4RC)
UA6AAY	"	71,775	296	31	114
RA6AFB	"	13,050	97	19	56
UA4LCH	**14**	**389,662**	**1203**	**36**	**146**
UA3EDQ	**"**	**264,106**	**911**	**35**	**131**
UA6LFQ	"	172,085	829	31	96
RU3AA	**7**	**237,532**	**1027**	**35**	**137**
RW6CF	**"**	**199,512**	**875**	**35**	**128**
RZ3GU	"	15,180	166	15	51
RW4PL	**3.5**	**290,700**	**1281**	**30**	**120**
UA3MIF	**"**	**132,348**	**725**	**26**	**97**
UA1OMS	"	123,808	892	24	82
RU6FA	"	99,396	793	20	79
UA4LU	"	89,082	643	24	77
UA6LCN	"	80,454	714	23	83
UA3AP	"	50,052	463	21	76
RZ3AV	"	32,047	368	12	61
RK3BA	"	15,946	214	11	56
R3AWA	**1.8**	**87,414**	**631**	**21**	**81**
RU4PU	**"**	**84,096**	**567**	**21**	**75**
UA4RZ	"	41,496	362	16	68
RV3BQ	"	18,459	246	9	54
RA4YW	"	4,896	130	8	28
***RV6LFE**	**A**	**1,126,434**	**1583**	**103**	**379**
***RN6FA**	**"**	**789,140**	**1251**	**99**	**323**
***RV3QX**	**"**	**660,912**	**1154**	**87**	**305**
***RN3QP**	**"**	**578,588**	**1328**	**68**	**263**
*RZ6BU	"	564,330	982	86	304
*RZ3QZ	"	531,200	1113	92	323
*RV3LO	"	517,244	926	79	298
*UA4FRL	"	445,440	785	89	295
*RU3UN	"	428,644	563	85	319
*RX3ZX	"	395,270	843	73	217
*UA1CEC	"	395,199	1126	55	232
*RW1CX	"	381,843	824	66	253
*RK3IM	"	357,390	645	83	247
*RV3ZN	"	355,926	1027	58	216
*RV4LC	"	353,136	733	67	269
*UA1CUR	"	336,076	835	61	238
*UA4ALI	"	323,708	702	68	240
*UA3DAM	"	310,464	714	67	221
*UA6HCA	"	300,672	505	92	232
*UA6HFI	"	300,273	765	69	234
*RA1QD	"	295,005	724	62	215
*RU3ZV	"	283,920	745	74	206
*RV3QO	"	267,920	739	61	211
*UA4FEN	"	264,404	701	64	220
*RU4WE	"	256,332	716	53	193
*RN4SS	"	251,304	818	58	225
*RK4PB	"	243,726	601	70	224
*RU4WD	"	237,050	596	67	208
*UA1CE	"	232,848	772	44	172
*RU3XY	"	231,795	679	52	203
*RZ3DXR	"	226,872	575	71	203
*UA6YH	"	225,649	585	56	195
*RA3SL	"	222,768	653	51	201
*RU4SM	"	219,915	686	51	192
*RW6MT	"	209,911	644	46	195
*RK3AQW	"	208,800	641	55	185
*RA3ST	"	206,054	501	63	206
*UA1ZZ	"	200,254	633	45	178
*RW4AD	"	193,116	580	53	175
*RW3VZ	"	192,960	457	64	204
*RA3BQ	"	190,080	486	57	207
*RW3TA	"	176,900	543	57	187
*UA3DGG	"	173,484	513	60	184
*UA3VLO	"	173,279	405	52	189
*UA4QK	"	171,315	457	56	179
*RN3ZKD	"	159,600	661	50	160
*RW6HP	"	159,536	482	59	177
*RX4YY	"	150,780	952	43	167
*UA4AAC	"	140,058	586	37	149
*UA4AGO	"	138,897	454	47	160
*RV3YR	"	137,572	472	52	159
*RD3AB	"	136,895	485	51	158
*UA3TN	"	133,809	489	46	173
*UA3DKN	"	127,800	475	42	138
*RU3MW	"	127,015	482	44	147
*RA3RN	"	121,992	442	43	161
*RK6AQM	"	114,636	323	53	180
*RA4ST	"	114,432	472	43	149
*RN4CA	"	114,332	400	54	148
*RA1QN	"	112,039	506	35	146
*RX3RB	"	111,153	417	43	158
*RW4PY	"	111,150	331	60	165
*RX6LD	"	109,600	514	29	131
*RV6BC	"	109,053	346	49	140
*RA3BB	"	108,072	465	44	114
*RN4NF	"	102,900	250	64	146
*UA4YA	"	96,543	406	36	139
*RU3XB	"	95,700	398	36	138
*RA3XO	"	94,545	188	72	119
*RN3ZC	"	92,659	312	58	159
*RX3MM	"	91,455	280	50	145
*RU6BR	"	90,090	316	54	141
*RA3MB	"	88,220	261	51	169
*RZ1OK	"	84,868	362	42	154
*UA1ORL	"	80,556	414	31	116
*UA3DSS	"	79,755	264	61	134
*UA4AN	"	78,374	257	45	104
*RA4NCC	"	77,792	351	31	112
*RW3DOX	"	72,787	353	33	110
*RD3BE	"	67,032	180	46	122
*UA3ACL	"	64,974	300	38	144
*RV3MR	"	61,548	385	29	109
*UA3PPP	"	57,960	272	37	131
*RU3DM	"	57,594	145	55	119
*RA3NC	"	57,196	250	46	112
*RN1NW	"	54,362	306	35	119
*RN3FA	"	46,690	159	50	95
*UA3DFM	"	46,560	290	36	124
*RA1OK	"	44,405	239	31	76
*RU3WR	"	38,556	270	25	94
*UA3RW	"	38,070	139	40	101
*UA4WAG	"	36,549	206	34	97
*UA4FUW	"	36,356	160	45	104
*RV3BZ	"	36,352	268	30	112
*RZ6FA	"	36,120	109	44	85
*UA1AAR	"	35,644	193	31	102
*UA3UHZ	"	35,264	269	41	111
*RU3PU	"	33,522	134	46	105
*UA6FW	"	32,144	199	29	83
*RU3BU	"	31,414	237	35	104
*UA3UBT	"	30,012	209	30	93
*UA4PAY	"	27,081	139	48	105
*RV3QG	"	26,559	253	28	89
*RL3AB	"	25,676	102	45	86
*RA6XB	"	21,336	101	40	87
*RW4FX	"	20,564	129	34	72
*UA3YAA	"	20,090	87	39	59
					(OP: UA3YQL)
*RD3QG	"	18,142	131	27	67
*RX3MX	"	16,463	109	39	62
*RK3FM	"	15,980	147	21	64
*RN3ARU	"	13,832	73	34	42
*RA6FUZ	"	13,248	158	15	54
*UA6JFG	"	12,879	115	19	62
*RX6AOB	"	12,212	59	31	55
*RA1WU	"	12,087	61	30	49
*RX3VF	"	9,960	106	18	65
*UA3YCX	"	9,828	128	19	59
*RA3YAO	"	9,240	147	12	48
*UA3YQL	"	8,343	54	32	49
*UA3AMZ	"	6,528	93	13	51
*UA6LPY	"	5,734	58	19	42
*RA6MQ	"	5,162	77	14	44
*RN4AM	"	4,888	42	19	28
*RW4NN	"	4,725	40	26	37
*RK3DSW	"	4,466	50	18	40
*RA3XE	"	3,894	49	18	41
*RU6AI	"	3,024	33	25	29
*UA3QG	"	2,448	26	13	21
*UA3XGM	"	2,135	24	14	21
*RK4PC	"	1,677	29	14	25
*UA6BUX	"	1,551	32	9	24
*RN3AAB	"	1,548	29	16	27
*RU4LM	"	1,476	18	18	18
*UA9QCP	"	1,147	34	9	22
*UA3SKV	"	870	17	13	17
*RA1QKI	"	616	14	8	14
*UA3QB	"	598	19	9	17
*RL3FO	"	418	12	7	12
*RW4NQ	"	54	5	4	5
*UA3RN	28	42	3	3	3
***RA6YY**	**21**	**104,412**	**406**	**32**	**122**
***RX6AH**	**"**	**87,468**	**334**	**33**	**115**
*RA3AN	"	68,901	334	27	92
*RN4AO	"	24,000	252	18	57
*UA4LW	"	18,905	131	22	73
*RW4LQ	"	14,892	75	25	48
*UA3AKI	"	9,828	103	16	47
*RX4HJ	"	4,851	139	10	39
*RW3PN	"	4,368	44	17	31
*RZ3VA	"	3,861	59	13	26
*RA3ZOM	"	360	26	17	23
***RU4SS**	**14**	**131,740**	**567**	**29**	**111**
***UA3ABJ**	**"**	**106,384**	**521**	**31**	**91**
*RA3UAG	"	74,691	352	30	99
*RW6AH	"	72,459	528	24	73
*UA4HAM	"	70,286	376	26	87
*RK6CM	"	63,280	302	26	86
*RU3YA	"	29,120	202	19	61
*UA6LJU	"	26,208	223	17	55
*RU3UW	"	25,875	223	16	53
*RV4AS	"	25,515	221	20	61
*RA6MS	"	17,344	176	13	51
*RV3AQN	"	13,420	186	8	47
*RD4WZ	"	10,710	151	15	48
*RZ3FQ	"	5,664	94	10	38
*RA3OE	"	3,939	48	13	26
*UA3DFR	"	238	18	4	10
*RX3AU	"	54	3	3	3
***RZ4AG**	**7**	**158,064**	**673**	**32**	**116**
***RK4SA**	**"**	**151,776**	**740**	**30**	**106**
*UA3RF	"	52,520	345	22	82
*UA4FFF	"	51,504	290	23	88
*RK6ASY	"	38,570	338	21	74
*UA6HCE	"	36,636	271	17	69
*RA3DTN	"	21,840	103	26	79
*RV3ZQ	"	17,204	198	12	56
*RA3GFG	"	11,368	164	12	46
*RA6FRL	"	9,638	245	14	47
*RA4HVX	"	9,438	171	18	48
*RD3ZW	"	5,016	107	9	35
*UA4ACP	"	4,429	90	10	33
*RU4SW	"	1,850	72	8	29
***RZ3AUL**	**3.5**	**55,803**	**486**	**18**	**71**
***RA3ZC**	**"**	**39,146**	**507**	**14**	**60**
*RK3FY	"	34,952	404	12	56
*RX4HB	"	29,568	226	18	66
*U3DI	"	22,326	314	8	53
*RA3LO	"	8,601	102	12	49
*UA3DTT	"	2,772	53	9	33
*UA6ATG	"	442	14	7	10
***RN4AK**	**1.8**	**35,309**	**387**	**12**	**55**
*RN3AHL	"	6,096	89	10	38
*RU3FT	"	5,687	93	8	39

Faroe Islands

***OY4M**	**A**	**42,660**	**180**	**17**	**62**

Finland

OF8X	**A**	**2,727,276**	**3265**	**119**	**374**
					(OP: OH4JFN)
OF3OJ	"	359,766	1580	41	166
OH5NE	"	271,421	939	52	217
OH2CK	"	252,748	397	89	269
OH2VZ	"	218,880	550	59	181
OH2XF	"	96,180	256	54	175
OH3MC	"	29,760	204	22	74
OH1BV	"	16,640	255	34	126
OH3QN	"	589	15	7	12
OH6BG	**21**	**133,705**	**485**	**31**	**112**
OF8L	**14**	**555,885**	**1826**	**36**	**129**
					(OP: OH8LQ)
OH3LQK	"	178,365	609	36	129
OH5NS	"	1,218	23	9	20
OH2NIK	"	24	2	2	2
OH2BH	**7**	**718,718**	**2397**	**36**	**146**
					(OP: OH1WZ)
OH6R	"	284,292	1457	31	118
					(OP: OH3FM)
OH3XA	**3.5**	**15,914**	**155**	**14**	**59**
OH3JR	"	10,653	111	10	57
OH2TA	**1.8**	**101,790**	**1018**	**17**	**70**
OF4MFA	"	24,480	283	11	61
OH5NZ	"	5,940	122	8	36
OH2NRG	"	2,550	69	7	27
					(OP: OH2LRE)
***OH6XY**	**A**	**184,497**	**482**	**70**	**197**
*OH2LP	"	88,530	363	45	150
*OH5JTI	"	70,525	412	38	117
*OH2BBT	"	56,457	291	37	116
*OH8VQ	"	49,920	252	36	124
*OF4NSG	"	44,958	190	41	136
					(OP: OH3WS)
*OH6FA	"	38,086	280	35	104
*OH6MBQ	"	37,488	241	32	110
*OH3HS	"	33,462	158	37	132
*OH2LO	"	26,718	117	38	108
*OH7YN	"	23,507	125	22	62
*OF8GZN	"	14,616	127	22	65
*OH6KW	"	7,375	104	12	47
***OH3WR**	**21**	**15,884**	**112**	**21**	**55**
***OH2K**	**14**	**112,336**	**665**	**27**	**85**
					(OP: OH5YU)
*OH2FS	"	11,954	74	20	66
*OH6RC	"	8,400	69	16	54
***OH2BPA**	**3.5**	**14,573**	**200**	**9**	**50**
*OH6HOP	"	1,224	42	5	19
***OH5UFO**	**1.8**	**18,270**	**205**	**12**	**58**
*OH3GIF	"	6,076	111	7	42
*OH5ZB	"	5,250	129	6	36
*OH8VJ	"	5,050	100	11	42

France

TM6X	**A**	**3,951,600**	**3370**	**132**	**468**
					(OP: F5VHY)
F8BPN	**"**	**1,198,560**	**1677**	**100**	**354**
F5RAB	"	614,131	962	94	319
F5BBD	"	440,565	947	79	266
F5NBX	"	326,472	900	51	132
F6GQO	"	72,412	303	42	130
F5VCT	"	68,971	198	49	118
TM8IRC	"	68,162	395	47	126
					(OP: F6GOX)
F8DVD	"	30,256	100	38	86
F8CIL	**14**	**191,084**	**852**	**27**	**97**
F5IYQ	**7**	**20,995**	**151**	**18**	**67**
TM6A	**3.5**	**598,884**	**2360**	**32**	**111**
					(OP: F6IRF)
F6CWA	**1.8**	**53,289**	**424**	**16**	**77**
***F6HKA**	**A**	**1,717,242**	**1846**	**111**	**392**
***F6FTB**	**"**	**913,856**	**1217**	**88**	**348**
*F6DDR	"	493,479	753	98	343
*F6DYX	"	384,272	906	60	232
*F5INJ	"	264,496	673	54	190
*F/LY3Z	"	216,664	796	46	166
*F5VV	"	214,988	478	70	214
*F5UMP	"	203,425	375	87	308
*F8EEQ	"	199,175	546	68	189
*F5LCU	"	186,394	556	45	169
*F6DZD	"	159,354	458	53	174
*F5AQB	"	102,520	392	53	180
*F5NBK	"	102,170	347	40	130
*F5KAR	"	68,970	444	46	163
					(OP: F8CVR)
*F6ABI	"	37,584	253	33	83
*F6CYT	"	29,155	180	29	90
*F8DFP	"	28,560	227	35	84
*F6FNA	"	18,755	135	37	84
*F5RQQ	"	5,880	110	36	62
*F5GGL	"	5,720	71	17	48
*F8DYD	"	5,016	34	17	21
*F8DRE	"	4,050	59	28	47
*F4CUI	"	2,944	54	15	31
*F5BTH	"	1,100	10	8	7
***F5TMJ**	**28**	**330**	**18**	**5**	**10**
***F5JY**	**21**	**58,938**	**245**	**28**	**86**
***F5MPN**	**14**	**13,524**	**183**	**11**	**38**

Germany

DJ1YFK	**A**	**3,711,576**	**3669**	**118**	**443**
DL3YM	**"**	**3,550,858**	**3252**	**132**	**445**
DL2DX	**"**	**1,168,800**	**1136**	**127**	**360**
DL8WEM	**"**	**1,107,444**	**1259**	**103**	**355**
DL1DTC	"	811,338	1169	79	339
DL8KJ	"	606,000	859	80	324
DL6UNF	"	569,217	997	78	289
DL5JAN	"	499,840	897	79	273
DF1IAQ	"	477,400	865	66	242
DL1VDL	"	458,451	655	97	286
DL3BPC	"	390,100	701	71	261
DK3KD	"	387,772	807	74	234
DL5MEV	"	320,800	486	97	303
DJ9HX	"	319,459	411	92	237
DQØA	"	289,440	758	64	206
DL3KUM	"	278,225	412	85	274
DL5DXS	"	228,854	533	58	196
DL1STG	"	215,355	405	75	218
DL3YA	"	195,278	397	65	186
DK8EY	"	194,056	468	51	203
DK1KC	"	179,500	463	63	187
DL9JON	"	178,435	390	63	218
DL2F	"	155,520	936	41	151
					(OP: DL2FDL)
DL2HRE	"	149,577	440	51	168
DF8QB	"	147,744	442	52	176
DK7AN	"	137,170	313	57	158
DL2KUF	"	127,136	403	53	179
DL1YFF	"	123,125	353	49	148
DF8AA	"	116,130	347	53	184
DL5ST	"	114,576	280	64	153
DJ4QO	"	95,675	281	54	161
DD4DA	"	89,784	336	44	130
DL2SWN	"	88,389	189	62	145
DL1LOD	"	55,806	264	34	108
DL6CNG	"	52,155	175	53	118
DL8USA	"	47,770	137	50	120
DL5RBR	"	44,897	189	41	98
DL9GS	"	35,316	130	49	113
DF3LZ	"	34,782	209	32	61
DL7BA	"	34,048	98	50	83
DJ8RS	"	26,680	92	37	79
DJ4FZ	"	21,845	304	14	71
DL8WX	"	20,328	99	35	42
DLØSBM	"	18,224	137	19	49
					(OP: DL2QT)
DJ2BW	"	16,340	70	39	56
DL2MDU	"	15,834	100	28	59
DL5AN	"	14,760	101	40	80
DL8EAQ	"	10,692	150	26	73
DJ8ES	"	7,298	61	29	60
DL2RTL	"	6,767	93	18	49
DL1DTF	"	6,392	73	23	45
DL8OBF	"	5,320	70	17	53
DF8WA	"	1,836	42	7	11
DL4JU	"	368	9	7	9
DL2OM	**28**	**1,081**	**61**	**10**	**37**
DL4LBK	**21**	**87,913**	**309**	**28**	**105**
DK5JM	"	47,824	282	28	94
DL5CF	**14**	**320,616**	**889**	**39**	**144**

DK9IP	**7**	**552,231**	**1862**	**37**	**144**
DJ7IK	"	248,788	1009	35	129
DL7AU	"	170,166	745	33	125
DLØMFS	"	14,952	91	23	66
				(OP: DJ6TK)	
DL2AMD	3.5	100	6	4	6
DJØMDR	**1.8**	**169,740**	**1147**	**22**	**93**
DK2FG	"	50,572	403	19	75
DJ6OZ	"	27,193	317	10	61
DM3ML	"	11,584	185	10	54
***DC4A**	**A**	**1,563,588**	**1712**	**112**	**402**
					(OP: DL4NAC)
***DD5M**	"	**1,146,680**	**1645**	**96**	**340**
					(OP: DJØZY)
***DL1NKS**	"	**793,950**	**1359**	**78**	**317**
***DL9GFB**	"	**777,308**	**1064**	**101**	**375**
***DK5DQ**	"	**776,586**	**1233**	**85**	**288**
*DL5RMH	"	755,438	1241	84	305
*DL5KUD	"	616,911	985	88	323
*DL6JZ	"	474,175	983	69	256
*DL7UMK	"	468,350	1043	66	257
*DL4FN	"	464,877	957	66	263
*DL1SAN	"	381,780	834	71	244
*DL4TJ	"	367,352	662	88	288
*DF3AX	"	352,275	856	57	218
*DL8CKL	"	349,700	695	75	250
*DL7DZ	"	348,986	693	72	247
*DL5ARM	"	342,790	828	68	227
*DF3KV	"	334,480	648	87	283
*DL1EFD	"	315,153	697	62	229
*DJ8UV	"	312,244	767	63	248
*DH6JL	"	303,072	633	65	181
*DL1NUX	"	294,656	695	56	200
*DF1HE	"	289,608	809	49	215
*DL3BRA	"	277,560	694	55	215
*DL2NBY	"	261,280	736	50	180
*DL5JRA	"	253,232	621	61	205
*DF3OL	"	224,624	401	72	206
*DL1VJL	"	222,981	425	65	168
*DF1MM	"	217,118	518	67	211
*DL4HWI	"	207,788	445	62	225
*DL3ZAI	"	205,155	557	48	187
*DL2HWB	"	190,518	523	48	178
*DL5ASE	"	190,112	580	51	157
*DL8UKE	"	183,727	412	72	197
*DK8AX	"	179,324	423	64	190
*DL8ZAJ	"	170,640	410	56	184
*DL1ARJ	"	160,284	473	52	176
*DL5XAT	"	159,004	394	56	198
*DL5JS	"	151,140	437	50	179
*DL1RTS	"	149,648	495	48	151
*DL5CD	"	146,664	518	51	165
*DL8ULO	"	141,264	480	48	168
*DF2CH	"	129,913	397	63	214
*DK7KR	"	123,977	388	55	144
*DL8YR	"	123,319	398	46	177
*DL8UGF	"	113,229	321	50	157
*DL2MWB	"	106,547	297	40	177
*DLØKB	"	105,276	320	44	142
*DL5DSA	"	102,342	288	61	161
*DF6QC	"	101,460	461	35	155
*DK7GH	"	95,675	349	51	164
*DL1KUR	"	95,472	279	54	154
*DL9ABM	"	94,760	228	54	130
*DL8NBJ	"	94,668	390	36	160
*DL8JDX	"	91,739	225	56	143
*DJ3XA	"	90,922	418	31	138
*DL2ANM	"	90,753	350	43	136
*DLØDWD	"	88,871	428	33	148
				(OP: DF6QC)	
*DLØIH	"	88,164	440	33	153
				(OP: DF6QC)	
*DL4KUG	"	86,317	341	51	158
*DL4SL	"	85,262	326	43	135
*DF5AN	"	83,130	355	33	130
*DL3SEM	"	79,860	363	38	127
*DK2BJ	"	78,126	300	43	131
*DRØR	"	76,800	337	49	143
				(OP: DJ5BWD)	
*DF1SZ	"	76,500	325	41	139
*DF6WE	"	71,424	391	39	147
*DH3RB	"	69,960	331	36	129
*DK3WJ	"	68,572	210	45	113
*DL1TS	"	67,470	238	43	152
*DM2RN	"	62,790	323	39	122
*DL5KM	"	61,608	249	37	114
*DH8MS	"	60,882	275	29	110
*DL7FA	"	60,830	304	38	120
*DL5ZB	"	60,802	157	61	141
*DL9CW	"	59,262	220	46	120
*DL7UXG	"	57,933	248	40	117
*DL6YRM	"	55,257	194	50	113
*DL1SBF	"	54,300	242	35	115
*DF2PH	"	53,676	271	30	112
*DJ7EC	"	52,403	229	35	104
*DL2DWP	"	49,335	195	40	103
*DL5MO	"	48,216	188	30	138
*DJ7LH	"	47,838	226	31	103
*DL2HWI	"	45,560	162	42	92
*DJ6NH	"	44,880	150	47	123
*DL5KUR	"	43,778	164	38	80
*DL3KVR	"	43,011	144	55	122
*DL1KSE	"	41,480	427	28	108
*DL1DQW	"	40,500	186	47	115
*DL6NDK	"	39,345	144	36	93
*DL9GMM	"	38,880	113	52	92
*DL6RBH	"	37,506	207	39	102
*DL8ULF	"	37,177	258	25	88
*DJØYI	"	36,992	254	29	99
*DK3WN	"	36,387	219	31	86
*DK3PM	"	36,195	232	24	103
*DL1RTL	"	35,880	157	37	83
*DJ6OL	"	35,075	204	32	83
*DK8RE	"	34,102	200	30	88
*DF3QG	"	32,818	110	40	82
*DL2YED	"	32,452	187	32	90
*DK5PF	"	31,248	196	28	96
*DJ7JC	"	30,646	196	35	119
*DL1DBR	"	30,378	174	33	89
*DO9ST	"	29,400	236	26	79
*DL8DWW	"	29,393	171	33	86
*DL1EHR	"	25,048	208	31	93
*DJ6UP	"	24,725	164	29	86
*DL8UVG	"	22,509	164	33	90
*DL1TPY	"	22,000	280	17	83
*DL7BD	"	21,735	122	37	78
*DC8HF	"	21,588	169	20	64
*DL3DBY	"	20,972	168	29	78
*DL5HP	"	19,560	186	24	96
*DJ2FR	"	19,332	163	25	83
*DL6RCK	"	19,012	135	26	72
*DL2ZA	"	19,008	188	19	80
*DL4NT	"	18,656	132	24	64
*DL1THB	"	18,480	189	18	66
*DJ4DY	"	18,288	108	28	44
*DL1ARD	"	18,126	95	39	67
*DF1HF	"	17,407	101	32	71
*DL2FK	"	17,143	134	24	55
*DL8UFO	"	16,415	97	25	42
*DL6DVU	"	16,366	150	19	79
*DL3XM	"	16,275	74	41	64
*DO1UZ	"	16,019	193	15	68
*DG4YGW	"	15,228	112	30	64
*DL1RLB	"	12,935	90	23	42
*DK2ZO	"	12,397	103	20	57
*DL1AWM	"	12,328	90	34	58
*DL8UAT	"	12,282	56	33	56
*DK5EZ	"	11,392	82	24	65
*DL8HCO	"	11,016	127	18	63
*DL7VRG	"	10,212	110	24	68
*DL2AL	"	10,206	115	31	50
*DL3JRA	"	9,360	83	17	35
*DA3T	"	9,288	90	24	62
*DH5NT	"	9,020	117	18	64
*DGØETE	"	8,176	105	17	56
*DL9GMC	"	7,128	104	19	53
*DO9KT	"	6,930	106	17	60
*DJ6XV	"	6,853	75	29	60
*DL5KMS	"	6,300	65	22	48
*DL1CI	"	5,576	94	19	49
*DL1DXL	"	4,949	43	20	29
*DF5BM	"	4,717	65	15	38
*DL2EF	"	4,158	94	13	41
*DL5LWM	"	3,990	68	16	41
*DH1OK	"	3,640	53	16	36
*DKØSU	"	3,172	65	11	41
				(OP: DF7SA)	
*DL6UAM	"	3,050	83	6	44
*DL6NWA	"	3,024	81	16	47
*DL4SUN	"	2,760	33	19	27
*DL5SVB	"	2,440	66	9	31
*DL9DBZ	"	2,360	71	21	38
*DL2DYL	"	2,173	38	19	34
*DK7CH	"	2,135	88	14	47
*DL2AXM	"	2,064	49	13	35
*DJ5KX	"	2,014	62	17	36
*DJ5GK	"	1,975	48	10	15
*DL5SWB	"	1,200	21	11	13
*DO1SAJ	"	972	32	7	20
*DL2VB	"	644	13	11	12
***DB7MA**	**28**	**110**	**7**	**4**	**7**
***DL4UL**	**21**	**40,365**	**179**	**27**	**88**
*DK5ZX	"	24,336	164	18	60
*DH8BQA	"	2,016	31	11	17
***DL3DTH**	**14**	**194,910**	**676**	**34**	**112**
*DL4AAE	"	125,250	508	27	98
*DL9LM	"	106,821	500	27	90
*DL2DXA	"	91,770	370	29	86
*DL4YR	"	58,962	324	22	71
*DF7EM	"	43,055	374	18	61
*DL2MIH	"	2,030	41	10	25
***DL2HQ**	**7**	**101,600**	**546**	**23**	**104**
*DJ2XC	"	61,000	391	23	102
*DF9CY	"	14,238	179	12	51
*DGØDG	"	7,424	71	13	45
***DF7GG**	**3.5**	**67,907**	**603**	**15**	**74**
*DL9UDS	"	44,455	436	16	69
*DL6KWN	"	43,725	505	12	63
*DL2RUG	"	26,496	309	11	61
***DK3UA**	**1.8**	**11,776**	**170**	**9**	**55**
*DF3IS	"	5,763	113	7	44
*DK3AX	"	2,952	73	7	34
Gibraltar					
ZB2X	**3.5**	**683,240**	**2680**	**34**	**121**
				(OP: OH2KI)	
Greece					
SV1ENG	**A**	**1,033,708**	**1914**	**87**	**299**
SX1L	**14**	**411,942**	**2117**	**31**	**111**
				(OP: SV1RP)	
SV2BFN	"	293,208	1294	35	117
J43J	**3.5**	**221,552**	**1301**	**27**	**95**
				(OP: DJ5JH)	
SV3RF	**1.8**	**126,300**	**905**	**21**	**79**
SV1GRD	"	9,480	158	10	50
***SV1PS**	**A**	**26,418**	**179**	**28**	**74**
*SV3GKY	"	23,229	186	23	64
***SV1BJW**	**14**	**217,494**	**1122**	**30**	**99**
***SV2BFL**	**7**	**40,500**	**439**	**16**	**65**
*SV1MF	"	11,900	122	14	54
***SV2BOH**	**1.8**	**20,196**	**304**	**8**	**58**
Guernsey					
***MUØFAL**	**A**	**436,455**	**1044**	**52**	**213**
***GU4YOX**	**3.5**	**135,729**	**950**	**20**	**79**
Hungary					
HA8JV	**A**	**4,447,950**	**3928**	**152**	**498**
HA3OU	"	785,295	1196	91	314
HA7LW	"	343,976	794	56	192
HA5LQ	"	4,760	33	23	33
HA3GJ	**28**	**4,095**	**64**	**10**	**35**
HG8K	**7**	**330,704**	**1206**	**36**	**140**
HA1RS	"	117,000	919	27	93
HA8IB	**1.8**	**122,109**	**1075**	**19**	**82**
***HA1ZH**	**A**	**718,740**	**1257**	**91**	**272**
*HA7PO	"	664,200	1030	97	308
*HA2MN	"	437,250	795	76	242
*HA2ESM	"	261,888	699	60	188
*HA5AZC	"	188,748	516	54	198
*HA7YS	"	165,336	508	55	194
*HA8CQ	"	130,732	432	48	148
*HA2QW	"	23,433	198	29	78
***HA3GQ**	**28**	**1,120**	**23**	**9**	**23**
*HA3FRE	"	560	19	9	19
***HA8IH**	**14**	**405,275**	**1627**	**35**	**110**
*HA3LN	"	289,488	1050	34	114
*HA8TP	"	152,856	621	30	102
*HG8C	"	129,903	403	34	125
					(OP: HA8EK)
*HA7MW	"	72,471	322	29	90
*HA7NK	"	65,400	327	25	84
*HA6FQ	"	65,303	299	28	105
***HA3MU**	**7**	**119,328**	**660**	**26**	**106**
***HA8KW**	**3.5**	**195,707**	**1206**	**26**	**101**
*HG5Y	1.8	418	22	4	15
					(OP: HA1CW)
ITU HQ Geneva					
4U1ITU	**A**	**702,506**	**1716**	**70**	**208**
					(OP: RW3AH)
Iceland					
TF3AM	**A**	**9,964**	**108**	**15**	**32**
TF3CW	"	1,728	46	10	26
***TF3GB**	**A**	**164,650**	**669**	**37**	**141**
Ireland					
EI2JD	**A**	**673,752**	**1262**	**86**	**333**
EI4CF	**21**	**53,820**	**310**	**26**	**89**
EI2CN	**1.8**	**41,925**	**502**	**11**	**54**
***EI/W5GN**	**A**	**782,236**	**1547**	**60**	**247**
*EI7CC	"	302,498	641	61	226
*EI4HQ	"	80,910	459	32	142
*EI5DI	"	32,072	189	24	52
Isle of Man					
MDØCCE	**A**	**1,792,912**	**2362**	**95**	**393**
*MD/DL3KWF	A	36,934	236	27	91
*MD/DL3KWR	"	25,704	225	28	108
Italy					
IR2A	**A**	**1,020,996**	**2527**	**62**	**175**
					(OP: I2UIY)
IV3UHL	**"**	**267,650**	**886**	**55**	**147**
IKØTUM	"	130,036	263	63	173
IK3OII	"	108,750	330	51	123
IK7FMQ	"	39,767	256	55	106
IK2IKW	"	31,050	169	36	99
I2TFJ	"	25,632	209	25	64
I5YKQ	"	21,567	139	23	68
IZ7CDB	"	19,800	210	20	52
IK2RLS	"	16,430	113	33	73
IZ8GGF	**21**	**234,752**	**1048**	**31**	**97**
I7RIZ	**14**	**118,209**	**703**	**20**	**71**
					(OP: I7ALE)
IW1GGN	"	24	2	2	2
IR2W	**7**	**42,252**	**374**	**18**	**66**
					(OP: IK2EGL)
IK8SEU	"	8,040	136	11	49
IK2SND	**3.5**	**186,004**	**1407**	**24**	**74**
IKØYVV	"	107,781	699	23	88
IK5VLO	"	44,478	551	9	54
IU1A	**1.8**	**128,232**	**1018**	**22**	**82**
					(OP: IK1SPR)
IK2AOO	"	11,408	250	6	40
IR7A	"	11,323	140	9	58
					(OP: I7ALE)
***I2WIJ**	**A**	**933,162**	**1070**	**109**	**410**

***IK2UCK**	"	672,000	1022	80	320
***IK4EWX**	"	609,535	1066	82	273
*IK4UNH	"	308,226	643	61	221
*IZ2EJU	"	295,936	638	69	220
*IZ3DBA	"	235,365	811	52	169
*I6FDJ	"	222,130	704	50	179
*I4FGG	"	210,168	573	61	191
*I2AZ	"	182,546	480	57	181
*IZØEHL	"	178,198	384	67	211
*IZ2GMT	"	118,650	481	37	138
*IV3ARJ	"	93,472	420	41	143
*IV3DYS	"	92,560	320	42	136
*IN3FHE	"	83,125	269	45	130
*IZ1DXS	"	81,838	349	37	129
*IK2NUX	"	73,414	226	46	96
*IZ3GHP	"	64,222	222	52	111
*IK5FKF	"	59,160	292	32	104
*IK2AIT	"	55,413	281	35	106
*IK2CFD	"	53,317	231	37	94
*IZ2EWR	"	46,632	294	30	104
*IZ1GLX	"	44,403	215	40	83
*IZ3DVU	"	42,705	173	39	78
*IK1WEG	"	35,632	226	39	92
*IK2NCF	"	32,912	163	35	86
*IK2CZQ	"	30,030	141	39	71
*IZ1DUG	"	28,908	187	29	103
*IK3MLF	"	28,560	177	32	88
*IZ5GRS	"	28,416	159	32	79
*IK2YXP	"	24,395	176	38	81
*IZ4DYX	"	24,045	204	24	81
*I4HRH	"	23,904	165	28	68
*IZ5EBL	"	16,740	95	36	72
*IK2DKX	"	9,636	109	21	45
*IZ6BTN	"	6,710	77	19	36
*IZ8DWL	"	5,022	61	19	35
*IK2WXV	"	4,340	88	12	23
*IK5YJK	"	1,500	26	14	16
*IZ3KMW	"	783	22	9	18
*IZ6FCK	"	130	5	5	5
*IZ5HQB	"	42	17	4	10
***IZ8DVD**	28	6,292	69	14	30
***IR8M**	21	31,620	246	26	67
					(OP:IZ8CCW)
***IK6MNB**	14	230,087	1077	32	111
*IK2HDF	"	117,360	682	28	92
*IN3OWY	"	17,136	173	14	49
*IKØUUM	"	6,630	62	15	36
***IK2WXQ**	7	31,820	279	17	69
*IØYQV	"	10,620	95	16	44
*IZ4GOL	"	4,560	78	14	43
*I3MU	"	3,456	90	11	37
*I7PLY	"	640	24	7	13
***IV3AZV**	3.5	44,702	671	10	52
*I5VXG	"	28,718	332	16	67
*I4JEE	"	15,183	213	8	55
*IQ8LR	"	9,702	118	11	55
					(OP: KI4RME)
***IK3SSO**	1.8	20,894	318	9	53
*IKØMHR	"	17,816	276	11	57
*IZ1BII	"	7,995	84	9	56
*IZ3FJV	"	28	5	2	5

Kaliningrad

UA2CZ	A	307,020	605	68	233
*RK2FXG	21	3,393	52	13	26
					(OP: RA2FIR)
***RK2FWN**	A	37,962	259	21	93
***UA2FL**	3.5	131,118	1358	15	67
*RA2FW	"	28,512	407	10	56
*RA2FB	"	2,701	72	6	31

Latvia

YL6W	A	2,258,815	2589	137	452
					(OP: YL2GD)
YL2PP	"	4,788	36	24	33
YL2BJ	14	76,908	408	27	89
YL7A	7	31,188	155	24	89
YL7X	3.5	14,706	220	10	47
					(OP: YL2LY)
YLØA	1.8	162,996	1271	21	81
					(OP: YL2KA)
YL2SM	"	130,662	1008	21	81
***YL2TB**	A	751,680	1511	71	289
***YL2CV**	"	625,869	1221	74	279
*YL2TQ	"	324,576	601	78	244
*YL2CR	"	156,804	625	46	173
*YL3CU	"	143,748	564	42	156
*YL2IP	"	91,104	326	49	159
*YL2HK	"	61,320	385	29	117
*YL2IU	"	50,071	293	36	125
*YL3GDY	"	11,270	173	13	57
*YL2IS	"	9,867	112	19	50
***YL5W**	7	164,592	875	30	114
***YL3FT**	3.5	105,840	850	23	82
*YL2GQT	"	27,648	313	13	59
*YL2II	"	2,448	84	5	31
***YL4U**	1.8	70,590	796	11	67
					(OP: YL1ZF)

Lithuania

LY2MM	A	784,454	1271	88	306
LY4T	"	754,820	1382	79	286
LY2VA	"	345,488	801	75	227
LY1CX	"	300,300	551	60	226
LY2KM	"	130,569	463	54	159
LY2NK	"	127,908	474	50	154
LY3W	"	90,870	273	44	151
LY3X	"	82,896	357	38	138
LY3CY	"	40,940	279	23	92
LY1CM	21	27,257	156	28	69
LY1CT	3.5	46,240	515	13	67
LY2IJ	1.8	266,124	1402	27	107
LY2OU	"	71,568	717	14	70
***LY6M**	A	1,833,720	2312	118	437
***LY6A**	"	1,267,660	1785	106	376
					(OP: LY2BM)
*LY2OO	"	457,989	1074	74	265
*LY2DV	"	141,930	491	64	185
*LY2TX	"	56,980	289	32	108
*LY2OM	"	42,194	219	36	110
***LY2LF**	14	34,732	254	19	57
***LY2AT**	7	16,425	222	12	61
***LY2T**	3.5	64,540	826	11	59
*LY4CW	"	16,184	263	11	45
*LY2TS	"	3,827	78	7	36

Luxembourg

*LX1ER	A	8,142	63	23	46
***LX1NO**	1.8	6,072	138	6	38

Macedonia

Z35M	A	539,082	1282	63	235

Malta

***9H1XT**	A	95,452	533	43	153

Moldova

ER5WU	21	73,710	274	31	104
***ERØFEO**	A	294,886	705	56	227
***ER1OO**	28	850	16	9	16
***ER3MM**	21	28,106	170	27	67
***ER1WK**	14	59,800	382	19	73
*ER5DX	7	3,848	48	14	38
***ER1RR**	3.5	48,370	575	10	60

Montenegro

4O3A	A	6,942,915	6075	149	502

Netherlands

PA3AAV	A	2,011,530	2076	115	455
PA4A	"	1,858,950	2793	99	351
PAØABM	"	698,895	855	104	397
PAØJNH	"	324,531	625	66	255
PA1T	"	220,002	769	54	168
PA5WT	"	204,402	625	51	158
PA2ALF	"	120,184	399	45	136
PAØGRU	"	66,332	329	36	125
PA9CW	"	23,230	190	24	91
PA1BX	"	17,056	145	24	80
PA7FA	"	16,704	85	46	70
PA2R	21	25,460	162	24	71
PAØBWL	7	120,048	773	28	94
PA3GVI	"	16,224	160	16	62
PA3GCV	1.8	21,320	242	17	65
***PA3BFH**	A	739,630	1286	74	296
***PG7V**	"	612,666	1293	63	274
*PA3DJY	"	470,507	1340	55	208
*PA3EMN	"	211,255	655	51	202
*PA3ARM	"	154,160	536	46	159
*PA2W	"	133,118	454	39	163
*PAØFAW	"	131,138	543	38	165
*PC7T	"	118,770	310	58	164
*PA7RA	"	94,192	400	50	153
*PAØMBD	"	91,999	348	47	150
*PA3DBS	"	90,072	384	37	125
*PA5GU	"	70,716	247	42	100
*PE2JMR	"	65,816	344	32	120
*PA3HGF	"	61,155	253	34	117
*PA3CLQ	"	48,657	365	28	119
*PAØCOR	"	44,688	234	40	107
*PA3BGQ	"	43,524	313	38	118
*PA7LV	"	31,622	148	33	64
*PA3BWK	"	27,336	150	34	100
*PAØB	"	25,074	243	25	101
*PAØWKI	"	21,756	167	26	85
*PA3FMC	"	16,684	146	23	74
*PA3AQL	"	15,618	194	24	90
*PA3GBI	"	14,608	126	21	62
*PA7HPH	"	10,692	104	21	60
*PA3CDN	"	4,347	93	16	53
*PAØRBA	"	1,363	37	15	32
***PAØRRS**	14	16,956	161	13	41
*PA3CAL	"	4,699	71	11	26
***PG2AA**	3.5	63,550	686	14	68
*PAØMIR	"	9,911	165	8	45

Northern Ireland

GI4VIV	A	329,670	648	70	260
***GI6YM**	A	344,565	900	59	220
					(OP: GI/VE7ALN)
*GI4SJQ	"	9,867	92	20	49

Norway

LA2AB	A	300,672	855	71	253
					(OP: LA6GF)
LA2QM	"	101,952	652	31	113
LA7SI	"	80,995	341	39	128
LA9TJA	"	46,800	312	28	122
LA8AW	"	23,520	125	33	107
LA5YJ	"	7,254	177	14	48
LA2OKA	"	2,923	84	21	58
LA1QDA	14	25,315	156	18	65
LA8XM	7	48,635	174	30	107
LA7AFA	"	9,317	93	16	61
LN9Z	3.5	296,977	1888	29	102
					(OP: LA9HW)
LA2O	"	18,774	409	10	53
***LA3S**	A	645,354	1409	66	276
					(OP: LA3BO)
*LA6CF	"	297,065	765	54	211
*LA8OM	"	130,732	584	37	159
*LA3ZA	"	97,695	386	41	154
*LA6DW	"	72,708	385	32	114
*LA6ZFA	"	61,685	328	35	134
*LA/LY2FN	"	48,824	323	32	104
*LA7TO	"	15,150	135	26	75
*LA9DK	"	6,120	68	17	34
*LA5MDA	"	3,182	50	14	29
*LA1YE	14	4,653	74	9	38
*LA/LY2W	3.5	1,085	60	5	26

Poland

SP6A	A	1,508,220	1885	115	375
SP6T	"	1,294,850	1370	122	429
SP4R	"	1,213,209	1615	111	378
SN8F	"	824,970	1786	81	240
					(OP: SP8FHK)
SP3GTS	"	723,472	1133	91	321
SP6IEQ	"	460,416	684	82	270
SP4BEU	"	429,552	853	73	241
SQ4MP	"	283,725	1079	50	145
SP9LJD	"	273,604	606	66	226
SP2GWH	"	244,536	566	64	212
SP1NQN	"	203,736	822	41	115
SP2FGO	"	126,357	503	52	179
SQ7B	"	82,175	408	34	139
SNØFWQ	"	47,872	313	27	109
					(OP: SP9FWQ)
SN1A	"	13,590	125	19	71
					(OP: SP1EG)
SP9ATE	"	8,687	138	15	58
SP5GH	28	3,400	40	11	29
SP9DLY	"	2,709	47	10	33
SN7C	21	109,076	378	33	115
					(OP: SP7CHS)
SP4JTJ	14	94,521	282	33	114
SP5ELA	7	176,018	839	32	135
SP2QG	"	119,808	642	29	115
SP2FAP	"	104,656	663	21	103
SN7F	"	91,388	480	24	100
					(OP: SP7LFT)
SP3FYX	"	69,832	493	26	90
SP9JZT	"	28,160	161	26	84
SNØADV	"	9,480	105	11	49
SN3C	3.5	210,868	1296	26	93
					(OP: SP3ASN)
SP9BGL	"	68,997	533	19	90
SP3BQ	1.8	268,499	1454	27	94
SN7Q	"	260,064	1435	27	102
SP9DWT	"	16,112	145	15	61
***SQ9E**	A	722,552	1398	75	287
***SP3LWP**	"	685,166	1162	81	313
***SP4JCQ**	"	518,384	1306	85	273
*HF6ØKAB	"	455,682	869	74	272
					(OP: SP5ATO)
*SN5G	"	414,225	1013	79	236
					(OP: SP5JTF)
*SN9U	"	343,018	604	80	254
					(OP: SP9UMJ)
*SP6LV	"	331,100	827	63	238
*SP3DOF	"	260,485	593	67	228
*SP2IU	"	235,620	600	61	194
*SP2IKP	"	214,008	535	63	233
*SP3HC	"	208,886	595	54	185
*SP7JOA	"	179,280	467	58	182
*SP8EEX	"	144,372	417	49	163
*SP3DSC	"	141,934	449	52	154
*SQ9BDN	"	141,570	427	53	181
*SP3IOE	"	140,685	423	64	185
*SP9FT	"	129,376	321	59	149
*SP9LAS	"	128,772	345	58	194
*SP1DPA	"	127,224	307	54	162
*3Z8Z	"	117,888	327	57	135
*SP7FBQ	"	116,522	404	52	151
*SP9CV	"	106,296	458	50	156
*SP6EKS	"	105,542	367	53	173
*SP9GKM	"	94,317	498	31	118
*SP2HXY	"	90,216	349	36	143
*SP9CTW	"	89,232	216	55	153
*SN6A	"	87,450	324	43	122
					(OP: SP6CES)
*SP5MBA	"	82,386	295	44	155
*SP1MHZ	"	77,844	279	39	117
*SP2IW	"	69,874	270	58	159
*SP5CJQ	"	67,760	345	41	135
*SP8LNE	"	58,968	308	36	120
*SO6I	"	52,731	282	48	141
*SP2DKI	"	52,128	311	27	117
*SP6BEN	"	44,536	127	46	106
*SP5ELW	"	44,115	173	50	123
*SO9R	"	42,775	208	38	107
*SP2MHC	"	35,190	244	26	89
*SP1DTG	"	26,845	105	34	57
*SP4TKO	"	25,414	204	26	71
*SQ8LEC	"	25,149	195	24	77
*SP7BDS	"	15,423	159	20	77
*SP8HDP	"	13,600	106	25	60
*SP2HFH	"	10,795	133	21	64
*SP3MEP	"	9,450	112	19	51
*SQ1EUG	"	8,712	105	19	53
*SO9Y	"	8,195	102	16	39
					(OP: SP9BRP)
*SP7TES	"	7,735	43	28	37
*SP5CQI	"	6,510	58	23	47
*SP9JZU	"	3,942	53	13	41
*SP9IHP	"	3,640	38	21	31
*SP7TEX	"	3,312	61	13	35
*SP8BWE	"	2,728	124	22	66
*SP7EXJ	"	2,378	23	18	23
*SP4IRS	"	828	39	5	18
*SP7CXV	"	702	29	5	21
*SP6BSL	"	627	11	9	10
*SP9DEM	"	396	11	7	11
***SP4DC**	28	486	12	8	10
***SP2AVE**	21	45,279	209	27	90
*SP2EXN	"	33,855	160	26	85
*SP5ENG	"	4,368	67	19	37
***SP2HPD**	14	128,640	530	28	100
*SN9N	"	73,248	375	26	70
					(OP: SQ9ZM)
*SP3JUN	"	64,190	330	23	75
*SP2AYC	"	61,560	323	27	81
*SP2JLR	"	59,170	328	24	73
*SP9RI	"	47,396	309	18	64
*SP9DUX	"	39,100	231	23	62
*SP2UKB	"	36,188	204	17	66
*SP8BAB	"	28,008	194	19	53
*SP3AZO	"	18,970	152	17	53
*SQ8JLU	"	15,080	144	13	39
*SP4BOS	"	12,495	165	11	40
*SP2AEK	"	9,750	173	18	60
*SP6XP	"	2,992	46	13	21
*SP4AAZ	"	1,590	36	8	22
*SN9K	"	145	11	3	2
***SN3X**	7	214,720	1060	35	125
***SP6OJE**	"	196,544	937	31	117
*SP5CNA	"	119,966	560	32	122
*SP5XO	"	57,112	343	22	96
*SP9JQA	"	50,076	287	21	86
*SP5CGN	"	33,405	311	16	69
*SP9EML	"	9,750	93	16	49
*SP8LZC	"	7,205	84	13	42
*SP5NN	"	1,216	88	5	33
*SP9GPW	"	1,025	22	10	15
*SP9IKN	"	608	22	7	12
***SP8BVN**	3.5	44,590	601	10	55
*SP3CYY	"	43,617	351	17	76
*SP2PUT	"	43,200	504	13	59
					(OP: SQ2GXO)
*3Z3ØP	"	39,772	629	10	51
					(OP: SP3DIK)
*SP9DTH	"	27,450	500	10	47
*SP3FLQ	"	8,480	177	9	44
*SP5MNJ	"	3,400	41	10	30
***SQ1K**	1.8	43,200	591	12	60
***SN5J**	"	26,599	349	9	58
					(OP: SP5JXK)
*SP4GL	"	10,452	224	7	45
*SP5CJY	"	7,755	144	9	46
*SP3MGM	"	6,160	166	6	38
*SN2M	"	3,572	89	7	31
					(OP: SP2XF)
*SN2N	"	1,247	46	6	23

Portugal

CT8T	14	984,370	3095	38	135
					(OP: OH1NOA)
***CT6A**	A	4,987,632	4205	128	496
					(OP: CT1ILT)
***CT1BNW**	14	13,462	120	13	40
*CT4DX	"	1,908	40	14	39

Romania

YQ9W	A	4,032,426	4046	141	481
					(OP: YO9GZU)
YO6BHN	"	1,061,286	1496	109	365
YO7BGA	"	296,577	718	63	216
YO7ARY	"	168,370	653	54	172
YO5BBO	"	158,720	549	64	192
YO7LGI	7	62,944	360	22	90
YO5AJR	1.8	33,552	451	11	61
***YO3FRI**	A	1,031,800	1238	118	418
***YO9OC**	"	510,840	1038	79	251
*YO4CAH	"	342,512	707	64	220
*YO9FNP	"	299,663	956	53	206
*YO8KVS	"	259,623	705	69	204
*YO4KCC	"	250,614	730	67	206
*YO5DAS	"	233,640	707	49	187
*YO8RFS	"	204,820	670	60	206
*YO2QY	"	175,492	384	75	217
*YO7NW	"	134,387	408	53	156
*YO6MT	"	117,997	535	37	150
*YO3CVG	"	94,350	310	46	176
*YO8BPY	"	78,692	307	45	146
*YO4SI	"	65,872	246	52	127
*YO9IF	"	60,552	309	43	131
*YO2MAX	"	58,078	197	42	100
*YO6UO	"	49,572	281	43	119
*YO5TP	"	44,814	220	46	108
*YO6CFB	"	30,552	157	36	78
*YO4ASG	"	23,400	128	38	79
*YO7LTQ	"	5,280	45	15	32
*YO7LYM	"	4,658	45	15	32
*YO5OYR	"	972	11	9	11
***YO5ALI**	28	1,050	21	9	16
*YO5CRQ	"	216	8	6	6
*YO2AQB	"	147	19	7	14
***YO9AGI**	21	25,915	180	20	51
*YO5OED	"	13,266	98	22	45
***YO3BL**	14	47,000	291	24	76
*YO9CWY	"	42,660	313	18	61
*YO7BGB	"	7,200	160	8	37
*YO6KNY	"	4,536	56	15	21
*YO8DHD	"	2,376	88	8	28
***YO5KDX**	7	227,694	1359	28	109
					(OP: YO5OAG)
*YO2LEA	"	49,840	335	22	90
*YO2ARV	"	47,380	318	24	91
*YO9FBB	"	23,268	189	18	66
*YO3BBW	"	3,956	67	8	38
***YO9FYP**	3.5	6,800	134	7	43
***YO2IS**	1.8	6,076	135	6	43
*YO4AUL	"	6,016	134	7	40
*YO6ADW	"	1,710	53	4	26

Sardinia

ISØN	7	882,266	2671	38	149
					(OP: OL5Y)
***ISØ/K7QB**	A	1,347,777	2041	91	300
*ISØOMH	"	67,360	251	48	112
*ISØILP	"	6,048	125	25	59
***ISØ/OLØA**	21	153,912	695	29	103
					(OP: OK1CZ)
***ISØ/DK8FD**	14	161,816	951	22	91
*ISØSDX	"	78,408	443	24	75
*ISØMYN	"	8,046	96	15	39
*ISØUWX	"	2,666	73	9	34
***ISØRDY**	7	44,847	260	18	81
*ISØXDA	3.5	3,306	79	5	33

Scotland

GM7V	A	2,539,832	3426	111	361
GM3WUX	"	844,536	2060	66	242
GM3W	"	596,960	1567	60	220
					(OP: GM3JKS)
GMØGAV	"	287,278	691	63	176
***GMØNBM**	A	132,164	484	40	148
*GM4SID	"	29,832	171	27	86
*MMØRKT	"	21,032	183	19	69
*GM6NX	"	16,016	125	23	65
***GMØIIO**	14	111,825	699	21	84
*GMØOGN	"	59,682	345	18	69
*GM3YS	"	33,284	329	15	38
					(OP: GM4OSS)
*MMØDHQ	"	7,585	113	8	33

Serbia

YT7R	A	1,317,792	1851	103	321
YU1JF	"	181,260	397	67	161
YU2A	28	18,450	268	15	60
YT9X	21	371,112	1040	38	150
					(OP: YU1ZZ)
YU1OJ	"	359,595	997	38	145
YT7Z	"	198,706	627	35	111
					(OP:YU7SK)
YT5G	14	755,790	2374	38	139
YT3M	"	659,502	2137	37	125
					(OP: YT1NP)
YU1KT	7	124,800	827	24	96
YT3A	3.5	521,420	2157	34	121
YU1KR	"	299,264	1684	28	100
YT1VP	"	251,640	1477	31	104
YU1WS	"	212,496	1464	29	85
YT6ØW	"	170,937	1170	26	91
					(OP: YU7AU)
YU1TT	"	86,344	1088	17	69
YT2AA	"	66,040	491	21	83
4N7ZZ	1.8	32,824	358	18	70
***YT2RX**	A	1,476,096	1760	112	400
*YU1CC	"	108,953	420	47	174
*YU1JW	"	87,622	448	51	142
*YU1ED	"	27,348	119	36	70
*YU7FN	"	17,010	126	25	65
*YT1YV	"	15,833	113	19	52
*YT2PFR	"	1,530	57	7	27
***YT5C**	21	194,552	555	35	131
					(OP: YU7WW)
***YU7BJ**	14	120,270	633	32	82
*YT1B	"	6,464	179	19	45
					(OP: YU1ADO)
*YU1NSK	"	4,726	89	8	26
***YT1BX**	7	26,625	252	15	60
***YU7WWW**	"	25,800	213	18	68
*YT1NN	"	7,755	120	12	43
***YT8T**	3.5	139,480	1079	25	85
*YU5T	"	52,644	576	13	69
					(OP: YU1JU)
***YT1AA**	1.8	30,576	339	11	67

Shetland Islands

MSØZCG	21	1,023	30	9	22
					(OP: MMØXAU)
MZ8A	14	71,148	612	21	63
					(OP: MMØXAU)
MMØXAU	7	9,880	172	10	42
MZ5B	3.5	257,546	1536	23	108
					(OP: G3WVG)
MM5PSL	1.8	2,080	88	6	34
*MZ5A	28	70	7	2	5
					(OP: GW4BLE)

Sicily

IT9ZAU	A	319,488	1329	50	158
***IT9LKX**	A	49,926	273	41	116
***IT9IZY**	28	342	50	5	14
***IT9RKR**	21	8,415	97	15	40
***IT9ESW**	14	23,760	304	27	61
*IW9HLM	"	286	8	6	7

Slovakia

OM7CA	A	298,792	421	86	252
OM3DX	28	5,885	74	12	43
OM3RRC	3.5	173,013	1386	21	80
					(OP: OM4TQ)
***OM5XX**	A	2,387,938	2281	146	461
***OM5CD**	"	1,697,688	1663	126	486
*OM7AG	"	531,454	1226	65	254
*OM7OM	"	457,373	1122	51	242
*OM3FZ	"	429,951	807	83	278
*OM8AQ	"	391,389	993	68	215
*OM4DN	"	320,544	855	52	200
*OM3R	"	309,148	881	47	197
					(OP: OM3CFR)
*OM3IAG	"	223,012	611	63	191
*OM3BA	"	177,750	636	48	177
*OM8ON	"	175,686	255	90	192
*OM6AL	"	102,051	508	44	163
*OM5UM	"	97,524	398	42	147
*OM4DA	"	91,936	438	35	134
*OM3TLE	"	38,500	303	22	103
*OM7AT	"	11,112	165	26	60
*OM1TD	"	-60	8	6	6
***OM3OM**	28	9,322	107	12	47
***OM4XA**	14	142,972	583	29	95
***OM2AK**	"	135,125	597	27	98
*OM3TB	"	51,170	333	19	67
*OM3PQ	"	23,936	196	16	52
***OM7YC**	7	76,756	437	24	100
*OM3CDN	"	15,004	199	13	49
*OM6TX	"	10,608	194	7	44
***OM4W**	3.5	96,180	1042	14	70
					(OP: OM4KW)
*OM6MW	"	50,160	507	15	73
***OMØTT**	1.8	41,683	522	11	62
*OM5EA	"	7,581	113	9	48

Slovenia

S5ØA	A	4,851,392	3995	150	487
S59AA	"	1,284,738	1272	124	422
S53QD	"	532,440	1083	67	239
S52AU	"	230,724	493	58	176
S59T	"	289	14	6	11
S57S	28	14,124	178	15	51
S5ØK	21	419,136	1064	38	154
S57AL	14	779,436	1995	38	151
S5ØE	"	412,800	1717	37	91
					(OP: S51J)
S52AW	7	826,020	2859	38	142
S53F	"	494,100	1772	36	144
S57Q	"	315,413	1492	32	125
S53MM	3.5	500,856	2047	36	128
S51NZ	"	127,796	1387	17	69
S57M	1.8	161,595	1186	21	84
S58Q	"	73,428	764	16	71
S52QM	"	11,152	135	13	55
***S51F**	A	1,473,960	1700	111	408
***S57U**	"	1,316,388	1675	105	384
***S54X**	"	1,088,304	1309	109	365
*S59N	"	606,192	1588	84	262
*S52OT	"	437,076	679	86	238
*S53AU	"	297,675	419	84	231
*S51MF	"	148,016	360	63	169
*S58MU	"	146,718	511	44	165
*S58RU	"	99,102	467	48	151
***S53AK**	21	48,578	217	30	77
***S57J**	14	139,265	630	29	86
*S52GO	"	116,998	500	28	94
***S54A**	7	270,254	1163	34	129
*S59MA	"	15,840	175	13	59
***S57NAW**	3.5	20,945	264	13	58
***S51NM**	1.8	24,656	349	9	58

Spain

EA5FV	A	2,950,400	3778	100	361
AO7AJR	"	2,095,104	2176	107	421
ED1L	"	654,095	1055	73	274
					(OP: EA1BLX)
EA1FD	"	240,814	926	49	157
EA3CEC	"	91,806	241	61	153
EA7TG	"	7,878	49	30	48
EA2VE	"	1,353	43	13	28
EA3JW	21	49,284	239	29	82
EA4TX	14	337,248	1220	32	112
AO3T	7	633,516	2681	33	123
					(OP: EA3AKY)
EA5YU	3.5	104,742	701	18	81
EA2LU	1.8	105,688	967	17	71
***EA2AZ**	A	1,466,082	2126	97	377
***EA5GTQ**	"	700,820	1151	88	247
*EA7MT	"	602,485	808	95	308
*EA1JO	"	535,020	813	79	291
*EB3EPR	"	216,450	553	56	169
*EA3ALV	"	185,808	435	53	184
*EA7WA	"	180,000	661	42	138
*EC1AIJ	"	160,402	305	72	245
*AN2R	"	122,265	403	48	147
					(OP: EA2TO)
*EA4/UY7CW	"	115,290	396	49	140
*EA5CP	"	106,568	397	46	127
*EA1EVA	"	102,856	367	41	131
*EA3BOW	"	95,836	413	45	149
*EA5AWJ	"	72,522	333	41	112
*EC1FN	"	66,805	347	38	117
*EA1NK	"	66,493	249	43	118
*EA4BGM	"	60,741	300	40	113
*AO7C	"	60,200	239	43	129
					(OP: EA7CWA)
*EA1VM	"	59,400	231	39	111
*EA4IP	"	56,985	273	36	109
*EA1OJ	"	50,232	173	46	115
*AN5CNK	"	38,808	213	30	96
					(OP: EB5CNK)
*EA5TD	"	34,932	135	44	79

*EA4CRP	"	34,800	166	32	88
*EA4MA	"	33,945	110	47	108
*EA4AYD	"	33,372	177	28	75
*EA1DIW	"	32,116	186	38	110
*EA7CA	"	30,184	156	33	65
*EB3CML	"	28,440	170	34	86
*EA1CBX	"	18,190	159	27	80
*EC7AKV	"	18,090	117	32	58
*EA1CGK	"	14,805	82	33	72
*EB2CYQ	"	13,272	99	27	57
*EA1AUS	"	10,507	57	27	52
*EA7EYQ	"	6,728	60	21	37
*EC2ADT	"	4,620	58	16	39
*EA3AXM	"	4,514	43	22	39
*EA1FCH	"	3,888	56	13	35
*EA1CRL	"	3,774	57	17	34
*EA4BNQ	"	3,403	48	17	24
*EA5GIE	"	2,992	45	16	28
*EA5FQZ	"	2,907	49	17	40
*EA4WD	"	1,984	91	16	48
*EA3KN	"	1,064	24	14	24
*EA1EVR	"	702	19	9	17
***EA2BOV**	**21**	**42,484**	**309**	**22**	**64**
*EA7GYS	"	18,286	153	24	58
***EA7TN**	**14**	**442,776**	**1605**	**32**	**120**
***EA5/UT2XD**	**"**	**256,278**	**1395**	**30**	**91**
*EA2IF	"	148,924	620	28	96
*AO7KJ	"	112,035	750	23	82
*EA3FAR	"	19,034	206	14	48
*EA4CWN	"	15,720	186	11	29
*EA4BF	"	3,645	55	4	23
*EA3FHP	"	110	10	4	7
***AN3N**	**7**	**61,085**	**416**	**19**	**76**
					(OP: EA3DU)
*EA4DRV	"	27,389	250	15	46
*EA2CCJ	"	5,664	90	11	37
*EA7OR	"	5,096	169	13	43
***EA7RM**	**3.5**	**150,282**	**995**	**16**	**83**
*EA7NW	"	34,839	298	12	67
*EA2SW	1.8	1,120	43	4	24
Sweden					
SM7YEA	**A**	**682,184**	**1462**	**71**	**246**
SM5Q	**"**	**573,674**	**928**	**82**	**291**
SE6Y	"	477,090	1008	68	274
SM5QU	"	240,672	608	65	211
SM5AOG	"	198,376	431	59	215
SM7C	"	146,642	497	51	176
					(OP: SM7CFZ)
SM7E	"	127,218	410	52	181
					(OP: SM7BHM)
SM3Q	"	125,304	463	47	180
					(OP: SM3BFH)
SM7BZV	"	87,912	388	53	163
SM3X	"	56,700	210	43	119
					(OP: SM3CVM)
SM6BGG	"	33,904	199	43	120
7S6R	"	11,972	95	25	48
SMØKV	**21**	**10,220**	**97**	**18**	**52**
SLØW	**14**	**149,641**	**530**	**32**	**119**
					(OP: SMØAJU)
SM2CVH	"	37,401	188	17	74
SM2JEB	"	36,186	249	20	54
SM5CIL	**7**	**44,946**	**304**	**21**	**78**
					(OP: SM7CIL)
SM6W	**1.8**	**54,999**	**565**	**17**	**64**
***SM6NET**	**A**	**128,115**	**417**	**46**	**173**
***SM7BJW**	**"**	**119,133**	**371**	**45**	**138**
*SF3E	"	108,049	494	37	130
					(OP: SM3EAE)
*SM7EH	"	101,600	417	42	158
*SM2KAL	"	98,235	363	39	146
*SM3RL	"	63,756	281	39	122
*SMØBDS	"	43,885	253	30	101
*SE6C	"	38,041	244	28	81
					(OP: SM6CDN)
*SM7YIN	"	35,483	194	37	100
*SI7T	"	24,075	196	21	86
					(OP: SM7LZQ)
*SM7CWI	"	23,999	124	32	71
*SM7BVO	"	16,352	110	22	51
*SM3JUR	"	10,384	144	20	68
*SM5BJT	"	585	57	15	30
*SMØCVI	"	0	16	9	13
***SMØQ**	**14**	**54,096**	**459**	**16**	**68**
					(OP: SMØOGQ)
*SM3AF	"	2,183	66	11	26
*SC3ØØVL	"	24	8	4	8
					(OP: 8S6T)
***8S6A**	**3.5**	**17,034**	**303**	**8**	**43**
					(OP: SM6DPF)
*SM7ATL	"	9,246	208	7	39
*SMØJ	"	6,486	136	7	40
					(OP: SMØDZH)
***SM5MX**	**1.8**	**36,381**	**521**	**9**	**58**
*SM6C	"	8,322	122	10	47
Switzerland					
HB9LCW	**A**	**476,403**	**634**	**105**	**314**
HB9CIC	"	367,232	947	67	235
HB9AZZ	"	282,564	447	83	251
HB9CQL	"	171,351	514	55	186
HB9CZF	"	141,688	442	45	133
HB9AUS	"	88,382	195	55	159
HB9CPS	**21**	**11,092**	**112**	**16**	**43**
***HB9ARF**	**A**	**587,334**	**939**	**80**	**283**
*HB9BXE	"	301,794	832	67	214
*HB9DCM	"	255,248	447	83	218
*HB9BGF	"	1,927	31	16	31
***HB9EHQ**	**7**	**93,600**	**613**	**22**	**98**
Ukraine					
UU7J	**A**	**4,815,774**	**4175**	**167**	**562**
					(OP:UUØJM)
UT5UGR	**"**	**2,764,480**	**2767**	**141**	**511**
UR7EU	**"**	**1,250,232**	**1844**	**106**	**355**
UT2UB	"	911,872	1212	118	394
UT4EK	"	901,320	1314	92	352
UU7JM	"	813,384	1130	104	370
UR3IQO	"	692,070	992	93	298
UU5JIB	"	682,998	1174	92	310
UR8RF	"	499,800	991	80	260
UR7QM	"	489,195	1049	73	242
UXØLL	"	340,360	642	90	245
UR2VA	"	312,998	577	70	213
UY2UQ	"	261,478	747	57	209
UX2MF	"	223,104	382	94	242
UTØRM	"	133,056	445	58	134
UR4EI	"	68,796	333	33	123
UR7VA	"	64,010	156	60	113
UY5QO	"	59,595	163	48	97
UR5HAC	"	55,200	170	56	104
UT2M	"	52,059	146	75	126
UU4J	"	10,611	105	19	62
					(OP: UU4JO)
US7VL	"	5,880	38	24	36
UT4PZ	"	4,420	31	24	28
UW1M	**14**	**262,405**	**984**	**36**	**107**
					(OP: UR5MW)
US7IID	"	70,224	323	30	84
UR8QR	"	37,920	288	18	62
UX4LA	"	8,100	133	7	43
UT7QF	**7**	**740,684**	**2233**	**38**	**158**
UX3MZ	"	584,188	2079	37	150
UU5WW	"	583,038	2161	36	147
UR5WMM	"	189,656	787	31	120
UT4ZG	"	130,200	494	33	122
UT5ECZ	"	37,620	245	21	74
UT5SA	"	30,400	269	20	80
USØMM	"	25,428	294	19	59
UY2ZZ	"	11,492	125	15	53
UT2II	**3.5**	**241,529**	**1557**	**30**	**119**
UW5U	**"**	**229,620**	**1390**	**28**	**101**
					(OP: UY2UA)
UZ7U	"	184,785	1144	27	100
					(OP: UT3UA)
UT1IR	"	139,568	949	26	96
UT8IM	"	137,529	981	24	87
UR7QC	"	97,300	789	22	78
UT7DK	"	66,123	790	15	64
UR8QM	"	10,608	189	10	41
UV5U	**1.8**	**76,446**	**694**	**17**	**76**
					(OP: UX1UA)
UYØZG	**"**	**75,764**	**661**	**16**	**78**
UT3N	"	14,617	295	6	41
					(OP: UT3NK)
US7IA	"	12,792	198	8	44
UT2IW	"	11,346	124	10	51
***UW8SM**	**A**	**758,368**	**1178**	**98**	**318**
***UR7EQ**	**"**	**666,783**	**1292**	**77**	**292**
***USØSY**	**"**	**609,750**	**982**	**85**	**290**
*UR7GO	"	535,600	937	103	297
*US3IZ	"	324,260	897	65	245
*URØQX	"	270,368	614	65	219
*UT2IO	"	256,669	733	51	208
*US3IUK	"	256,300	722	56	219
*UY2RA	"	234,220	680	51	194
*UY5TE	"	233,662	698	52	195
*UT3UZ	"	229,414	556	56	195
*UU2JA	"	204,756	397	65	237
*UT5UN	"	201,690	538	61	182
*UR7HCX	"	201,592	773	46	180
*UT4EN	"	151,866	576	46	152
*US4LGF	"	148,580	479	54	176
*UX8IR	"	135,072	424	50	174
*UR5XMM	"	127,766	419	52	141
*UY5ZI	"	122,664	318	57	171
*UR5LO	"	106,722	291	70	172
*UX3IO	"	99,093	192	72	129
*UR5AW	"	81,940	344	35	135
*UT5IZ	"	72,141	360	39	134
*UT2LU	"	71,760	370	38	146
*US8MX	"	70,380	282	44	136
*UT5UQN	"	66,960	303	47	139
*UX8IW	"	65,764	327	32	132
*UT8EL	"	64,620	315	41	139
*USØKW	"	59,189	174	47	110
*UU5JKY	"	56,033	294	32	105
*UR5EIT	"	54,560	196	47	129
*UT3UV	"	54,054	314	32	122
*UW1I	"	52,728	274	37	132
					(OP: US6IMA)
*UT4EU	"	50,213	283	31	118
*UT1IF	"	48,821	126	54	104
*UT7HM	"	47,885	191	46	111
*UX1RX	"	47,120	251	38	114
*UT3IB	"	45,760	150	45	131
*UR5TGK	"	44,400	198	31	89
*US5IVD	"	42,778	188	36	110
*UR2MO	"	40,424	142	43	120
*UX3IA	"	39,712	122	51	95
*UXØUW	"	38,646	220	34	80
*URØIQ	"	36,750	170	49	98
*US7LM	"	36,000	233	24	66
*UXØZL	"	35,478	193	34	112
*UX5NQ	"	31,785	506	9	56
*US7QQ	"	30,627	111	34	89
*US2YW	"	28,700	211	35	105
*UT5UKY	"	27,594	156	36	90
*US1IV	"	24,038	121	32	87
*UR5WX	"	20,203	172	21	68
*UU2JG	"	9,912	54	36	48
*UY3AW	"	8,892	107	15	63
*US3QQ	"	4,472	32	26	26
*UT2VU	"	2,881	29	18	25
*US4IXT	"	2,728	34	15	29
					(OP: UR5IHO)
*UY2RZ	"	2,088	44	9	27
***UT5PW**	**21**	**41,104**	**175**	**28**	**84**
*UR5IPD	"	13,986	118	16	58
*UX5EF	"	9,116	88	17	36
*UX7UN	"	8,881	139	24	59
*UY5QZ	"	6,612	56	20	38
*UT5CY	"	3,660	83	16	44
***UR6QS**	**14**	**94,656**	**438**	**27**	**89**
*UX7QD	"	72,036	533	22	70
*UY5LQ	"	71,864	462	25	79
*UT5ZY	"	30,555	223	22	75
*UT1PO	"	29,337	290	17	60
*UR5EU	"	26,163	214	17	64
*UY5YA	"	22,000	211	17	63
*UT5EO	"	16,016	203	19	58
*UT1UW	"	4,582	69	8	21
***UT8EU**	**7**	**176,094**	**741**	**34**	**128**
*UU2CW	"	136,498	695	31	108
*USØHZ	"	126,291	729	25	104
*UX7UA	"	63,612	461	23	85
*UT4NW	"	37,151	258	19	78
*UY7LM	"	14,162	257	14	59
*UT2QQ	"	7,440	102	15	45
***US5XD**	**3.5**	**79,700**	**715**	**20**	**80**
*UT5KO	"	42,112	586	11	53
*US2WU	"	41,904	493	17	80
*UR5IHQ	"	23,994	331	10	52
*UT5DJ	"	20,679	325	9	52
*UT5KTT	"	17,922	267	9	49
*UR5IKN	"	14,824	152	13	55
*UR8IDX	"	13,629	128	13	64
***UT8IT**	**1.8**	**33,225**	**354**	**12**	**63**
Wales					
GW3JXN	**A**	**262,704**	**768**	**54**	**154**
GW3NJW	"	183,600	610	52	164
GW8GT	**14**	**588,756**	**1853**	**37**	**135**
					(OP: GW3YDX)
GW7X	**3.5**	**276,120**	**1681**	**23**	**94**
					(OP: GW3SQX)
GW8IZR	**1.8**	**21,546**	**257**	**12**	**51**
***GW3KDB**	**A**	**526,932**	**934**	**76**	**293**
*MWØYDX	"	56,980	269	35	113
*GB6GW	"	39,520	195	34	96
					(OP: GW4HBK)
*MWØCWJ	"	35,750	179	30	95
*GW3INW	"	14,276	185	19	67
*GW4EVX	"	7,770	94	20	54
OCEANIA					
Australia					
VK2NU	**A**	**1,392,112**	**1515**	**98**	**236**
VK3TDX	"	277,488	588	67	121
					(OP: NF6V)
VK7GN	"	111,996	276	55	98
VK3FM	"	53,392	189	56	86
***VK4XY**	**A**	**283,402**	**532**	**80**	**137**
***VK4TT**	**"**	**245,000**	**532**	**57**	**118**
*VK2BJ	"	148,304	314	70	114
*VK2GR	"	107,387	295	64	97
*VK6HG	"	87,318	215	55	99
*VK3TZ	"	37,406	140	48	70
*VK2PN	"	14,520	133	26	29
Cocos-Keeling					
VK9AA	**A**	**5,551,728**	**3398**	**137**	**437**
					(OP: VK2IA)
East Malaysia					
9M6XRO	**A**	**1,899,686**	**1768**	**108**	**274**
9M8YY	**14**	**517,300**	**1303**	**34**	**106**
					(OP: JR3WXA)
***9M6AAC**	**A**	**618,280**	**934**	**84**	**176**
					(OP: N1UR)
*9M6YBG	"	124,080	381	48	72
French Polynesia					
***FO5RU**	**A**	**160,664**	**523**	**59**	**74**
					(OP: F5IRO)
Guam					
KG6DX	**A**	**3,078,600**	**2668**	**136**	**284**

*WH2D	A	434,948	794	74	120
			(OP: K3UOC)		
*KH2/KI3DNN	"	11,165	141	15	14

Hawaii

KH6YR	A	3,599,360	4089	126	194
			(OP: K1YR)		
AH7C	"	2,871,149	3313	116	197
KH7Y	21	478,084	1870	28	66
KH7B	3.5	321,636	1155	31	67
			(OP: K4XS)		
*KH6/NØCO	A	78,980	300	49	61

Indonesia

YB3JZ	14	58,401	382	22	41
*YC1KAF	A	475,692	918	50	146
*YBØDPO	"	380,799	535	82	179
*YE1AA	21	24,525	126	24	51
*YBØZDA	"	20,435	123	16	51
			(OP: YCØLWX)		
*YC2UTX	"	18,836	131	21	47
*YD1HUH	"	16,704	119	23	49
*YBØWWW	14	3,680	50	11	21
*YBØECT	"	2,163	42	9	12
*YD3KWR	7	26,163	189	18	39
*YC2BG	"	2,120	45	15	25
*YC2MXV	3.5	12,663	100	19	44
*YC2WWW	"	9,728	90	20	44

Mariana Islands

*WHØS	A	124,660	479	42	73

New Caledonia

*TX3SAM	A	154,896	547	42	70
			(OP: FK8DD)		

New Zealand

ZL1BHQ	7	20,088	169	19	43
ZM1K	3.5	70,917	376	23	54
			(OP: ZL1AIH)		
*ZL4JB	A	3,864	54	20	22
*ZL3TE	21	62,222	425	23	30
			(OP: W3SE)		
*ZL/VK4BAA	"	28,215	249	19	26
*ZL4LW	7	293,760	790	33	102

Palau

T88RJ	A	2,339,260	2782	96	214
			(OP: JJ1RJR)		
T88WV	"	1,407,045	1799	100	185
			(OP: OH7WV)		

Philippines

DU3NXE	A	302,872	832	60	71

Tonga

*A35RK	21	234,960	955	29	59
*A35MT	3.5	28,538	310	16	22
			(OP: LY1F)		

SOUTH AMERICA

Argentina

LU1HF	28	198,275	720	24	79
LS1D	21	1,194,638	2680	34	124
			(OP: LW9EOC)		
LU7HN	"	1,060,663	2294	35	138
LW4DYI	3.5	26,068	129	23	53
LU6QI	1.8	154	8	5	6
*LU7EE	A	795,000	997	93	207
*LW1E	"	649,950	1084	79	131
			(OP: LU1EWL)		
*LW5EE	"	460,814	788	70	156
*LU5YF	"	62,156	187	65	99
*LU/DC2IP	"	7,040	59	30	34
*LU6FEH	"	320	15	10	10
*LW6DW	28	21,840	157	20	36
*LU2FLN	21	84,745	466	22	63
*LU4MHQ	7	59,897	271	25	64

Aruba

P4ØW	A	10,673,421	6106	135	492
			(OP: W2GD)		
P43JB	"	1,244,497	1338	95	272
P49Y	7	1,411,840	3191	34	126
			(OP: AE6Y)		

Brazil

PY2NY	A	3,541,344	2886	118	326
PP1CZ	"	1,372,686	1849	82	212
PY5BLG	"	222,288	1263	63	113
PY2KP	"	120,745	251	70	135
PV8AA	"	5,564	82	12	14
PY2NFE	"	1,935	48	20	25
PP5KR	28	858	23	14	12
ZX5J	21	1,384,497	3114	34	119
			(OP: AI6V)		
PP5BZ	14	128,029	491	29	84
PY3AU	"	86,815	329	25	72
PV8DX	3.5	122,728	499	21	71
PP5JR	"	81,370	314	24	79
PY7ZY	1.8	726	26	8	14
PY3PR	"	4	3	2	2
*PY1DX	A	202,270	469	74	152
*PR2A	"	104,746	291	52	114
			(OP: PY2OE)		
*PR7HR	"	100,422	339	47	79
*PY3DX	"	63,099	212	38	85
*PY3CAL	"	13,123	66	32	39
*PP7LL	"	11,392	67	20	26
*PY4PW	"	7,738	72	24	49
*PY3SB	"	6,600	69	26	29
*PT8CWA	"	3,808	51	20	36
*PP5JY	"	2,046	57	23	39
*PY1CMT	"	1,320	51	21	23
*PY3UA	"	520	59	19	33
*PU2MTS	28	19,278	157	18	33
*PY2SRB	"	8,112	68	20	32
*PY2NA	21	397,600	1016	31	111
*PY4CEL	"	35,052	210	20	49
*PY4FQ	"	13,736	80	24	44
*PY1NB	7	83,950	413	21	52
*PY7OJ	"	22,436	114	19	60
*PP5DA	"	495	19	5	4
*PR7AR	3.5	36,515	291	15	52
*PU8TFA	1.8	16	2	2	2

Chile

3G1X	7	416,745	1223	33	114
			(OP: XQ1IDM)		
*XR3A	21	257,982	882	26	88
			(OP: CE3DNP)		

Colombia

HK3O	A	736,376	955	96	236
HK6K	"	157,552	421	56	116
HK3Q	"	72,540	196	56	130
HK3J	"	17,808	103	27	57
*HK1AR	A	6,913,397	4439	130	421
			(OP: RA3CO)		
*HK1AA	"	89,010	394	31	59
*HK7/VK6DXI	7	211,998	861	20	69
*HK3WPC	"	741	27	8	11

Paraguay

ZPØR	21	972,332	2138	33	125
			(OP: IK1PMR)		
*ZP9EH	A	68,256	198	61	97
*ZP6/IK1PMR	7	5,950	60	14	21

Peru

OA4WW	A	5,702,269	3988	140	383
OA4SS	14	568,540	1611	30	94
*OA4DJW	A	51,156	179	56	91

Suriname

PZ5X	A	2,832,285	2820	91	292
			(OP: K5UN)		

Trinidad & Tobago

9Y4AA	7	1,674,456	3525	35	133
			(OP: N6TJ)		

Uruguay

CW6V	7	984,872	2068	38	134
			(OP: CX6VM)		

Venezuela

YW4D	A	6,290,040	3591	143	493
			(OP: YV1DIG)		
*YW7A	A	128,110	497	69	161
			(OP: YV7QP)		
*YV5NWG	"	59,508	137	62	112
*YV1FM	14	14,952	167	18	38

QRP

6V7D	A	2,602,192	2208	95	317
			(OP: K1XM)		
FY5FY	"	2,033,714	1961	95	284
K8CC	"	973,588	835	103	333
			(OP: KK8I)		
OK7CM	"	777,362	1242	87	307
KR2Q	"	692,982	708	82	287
OM7DX	"	608,190	967	105	313
OL4W	"	511,368	1242	58	240
			(OP: OK1IF)		
US2IZ	"	429,351	1048	60	243
HA6IAM	"	411,201	894	66	255
JR4DAH	"	401,250	681	86	164
YO3APJ	"	350,030	865	58	232
DF1DX	"	342,608	795	58	208
N1TM	"	295,293	447	61	196
OK1JOC	"	293,440	833	51	211
W6JTI	"	288,024	427	85	179
RA9SC	"	277,512	504	61	187
UA6LCJ	"	269,010	659	59	235
VE3RSA	"	264,972	520	49	164
S59D	"	263,384	674	73	255
G3YMC	"	239,000	775	44	206
SP5DDJ	"	217,490	595	58	181
JA1NLX	"	206,460	462	68	117
SP9RQH	"	193,116	521	58	170
UYØMM	"	179,256	362	76	215
OZ7BQ	"	177,285	547	43	180
G4DBW	"	173,231	594	42	169
SM6EQO	"	160,965	561	39	180
LZ2LE	"	156,876	541	46	174
UX8ZA	"	151,620	494	55	173
RW6FO	"	148,304	532	42	166
AA1CA	"	147,180	286	65	158
RW3AI	"	145,406	524	44	174
AO7AAW	"	137,566	456	37	132
SP5AKG	"	137,350	407	41	164
IØZUT	"	136,912	405	56	143
RX1CQ	"	131,100	466	53	177
K8ZT	"	128,896	274	65	147
ZF2AH	"	128,064	799	39	57
KT8K	"	120,288	282	49	130
YP8A	"	118,494	348	65	162
			(OP: YO8WW)		
VA3SB	"	100,513	264	51	122
VE1AI	"	98,982	276	48	114
YO4AAC	"	97,350	424	41	136
NU4B	"	97,194	199	55	139
HB9DAX	"	94,468	529	44	165
LZ1MG	"	92,480	280	44	152
SM6CRM	"	81,375	315	37	138
HB9AYZ	"	79,344	396	31	113
YU2M	"	71,340	334	36	109
UA3FY	"	70,470	314	37	125
KIØG/5	"	69,102	224	68	130
EI8FH	"	66,901	316	33	116
SP9AJM	"	62,400	307	37	119
N6WG	"	61,500	214	49	76
JA5DIM	"	60,360	213	46	74
VE3CW	"	59,776	227	44	84
K4ORD	"	56,684	150	46	102
EW1NA	"	51,208	216	37	111
DHØJAE	"	50,666	246	39	115
RK4FB	"	50,552	298	25	117
W9LHG	"	45,752	174	45	88
NDØC	"	41,600	147	42	88
VE3QDR	"	40,152	357	28	56
HA7AVU	"	39,184	246	32	92
GM4HQF	"	38,025	229	24	93
EA1GT	"	32,373	233	31	78
OK4MM	"	31,635	161	30	81
UT5UUV	"	31,270	256	23	95
RN3AU	"	30,411	197	29	80
LU8EHR	"	30,081	120	51	60
RA3XCW	"	29,800	140	37	112
JK1TCV	"	29,744	114	46	58
DL4EAX	"	29,524	193	26	96
N3HU	"	28,288	118	32	72
KD4HXT	"	27,913	142	39	64
OK2BWJ	"	26,208	209	24	88
OE8NTK	"	26,078	155	29	89
JD1AHC	"	23,872	334	28	36
KØCD	"	23,859	105	40	59
I1COB	"	22,848	172	27	85
K3WWP	"	21,840	93	24	67
RV3DBK	"	21,476	226	14	77
YU2CV	"	21,306	152	26	80
US8ICM	"	21,090	136	35	79
G4ILO	"	19,197	173	18	61
DM1LM	"	19,080	166	24	82
PA1B	"	18,795	207	22	83
AI2P	"	18,480	102	40	65
ON7CC	"	18,200	217	22	78
RA6DB	"	17,568	140	25	71
JA1KEB	"	16,798	91	34	40
NØLY	"	13,832	84	28	63
DJ5QK	"	13,200	132	21	79
HR2/LTØE	"	13,416	123	30	48
			(OP: LU1DY)		
DL6OZ	"	13,188	125	26	58
RX3ALL	"	12,826	114	29	77
VE9QRP	"	12,814	71	36	50
7K1CPT	"	12,636	87	35	43
F5MPS	"	12,012	127	18	66
N8XA	"	11,988	71	33	48
PY4ZO	"	11,929	84	32	47
YO6AEI	"	11,780	150	25	70
ON3AD	"	10,738	136	22	69
YL1ZF	"	10,400	112	19	61
F5UKL	"	9,900	109	23	43
YO5OHY	"	9,790	95	17	38
W4QO	"	9,620	58	29	45
SP4DZT	"	9,266	49	35	47
HA5OB	"	8,777	98	19	48
W3AG	"	8,330	54	29	41
G8MIA	"	8,134	95	22	61
VK5MAV	"	7,176	56	31	38
K6DBG	"	6,944	57	27	35
AI2T	"	6,832	45	26	35
EU1UA	"	5,886	85	20	34
SM6AHU	"	5,742	82	17	49
N2JNZ	"	5,141	48	20	33
MØERA	"	5,092	68	17	50
USØYA	"	4,920	42	18	23
HS8KGG	"	4,770	51	19	34
N5IE	"	4,600	36	19	31
K1EQA/Ø	"	4,290	49	19	20
DF7IS	"	4,212	65	15	37
RV3DCZ	"	3,795	69	15	40
SM5EFX	"	3,608	67	10	31
NO2D	"	3,536	44	19	33
W5YA	"	3,332	36	17	17
			(OP: KT5X)		
SQ9FCH	"	2,736	49	16	32
W2JEK	"	2,480	26	18	22
WC7S	"	2,448	46	23	28
K6MI	"	2,145	36	14	19
N6JRL	"	2,142	155	43	76
HB9QA	"	2,040	29	16	24
AC2N	"	1,386	28	20	22
SQ9IVD	"	1,144	39	7	19
DL3BVA	"	968	28	8	14
ISØ/OK1CZ	"	962	24	9	17
AA5TB	"	888	25	16	21
AF9J	"	864	19	12	15
N5KEV	"	616	35	15	13
RAØJEP	"	500	22	9	11
ON4ANE	"	420	43	6	29
DL2TM	"	336	8	7	7
RV6LFN	"	300	17	5	15
EB2FWD	"	253	7	4	5
OM7JN	"	232	30	9	20
JA1HII	"	216	8	6	6
NE1RD	"	140	7	4	6
AA4Q/7	"	130	4	3	3
JF2MBF	28	1,600	29	9	16
UR5ZQV	"	182	8	6	8
UA6AK	"	42	8	6	7
SU8BHI	21	324,244	1173	26	77
			(OP: HA3JB)		
YT2B	"	123,861	388	36	123
CT1AOZ	"	92,672	325	29	99
OM5NL	"	45,942	221	26	67
JI1AQY	"	24,495	169	25	46
JH7RTQ	"	22,849	152	25	48
IZ8EDL	"	20,303	115	24	55
SP4GFG	"	16,043	120	15	46
LU5FZ	"	12,818	99	17	41
JR1NKN	"	12,656	121	21	35
VU2LYX	"	12,078	79	19	47
EW6CU	"	10,615	120	14	41
WA6FGV	"	10,325	72	19	40
JL3SBE	"	9,646	86	20	33
ES1CR	"	8,910	87	16	38
YD2YTH	"	8,280	80	15	31
US5VX	"	7,740	53	17	43
JA1KPF	"	7,110	69	19	26
JQ6PAQ	"	6,407	79	17	26
I2IAL	"	5,845	80	12	23
RV9YW	"	4,114	74	11	23
SP2FMN	"	2,958	41	11	23
IK3TZB	"	2,618	48	13	21
IØUZF	"	2,052	78	12	24
G4MEM	"	1,344	31	11	17
SQ4HRN	"	928	53	11	18
OK1AIJ	"	828	34	7	11
KK9V	"	810	18	11	16
AB8FJ	"	240	8	5	7
SM7RPU	"	156	8	5	7
JK3AHS	"	24	2	2	2
V73NS	14	292,552	1089	31	73
EU8RZ	"	170,370	712	28	107
DL9ZP	"	142,709	594	29	104
DL1DQY	"	131,670	400	34	120
JA6GCE	"	131,193	421	33	96
S52P	"	106,400	541	28	84
LY4BF	"	92,127	408	31	92
WA3NKO	"	79,744	257	21	91
LZ1VB	"	75,710	376	27	86
I1BAY	"	53,393	373	26	81
RU2FM	"	51,980	314	19	73
RU3RM	"	46,545	349	19	68
G3LHJ	"	44,455	319	17	68
JA4DQX	"	33,072	200	25	53
FM5CW	"	31,536	176	15	58
E21AOY	"	31,400	131	22	46
UA4WK	"	28,035	229	19	70
EW6DX	"	25,862	218	16	51
MØO	"	22,800	257	12	48
			(OP: G4JZO)		
I4KRF	"	20,234	212	17	50
DL4HG	"	17,922	165	17	41
N4PJ	"	15,912	95	19	53
VU2UR	"	13,317	87	20	49
K8CN	"	12,393	105	11	40
W7JI	"	10,218	155	21	57
DL4DQA	"	8,784	122	11	37
JRØGFM	"	8,742	87	20	27
9A8MM	"	5,967	108	9	30
PAØATG	"	4,730	114	9	34
RA3XEV	"	3,910	67	8	26
YO4BII	"	3,096	73	8	28
ND3D	"	2,904	40	12	21
JH8DBI	"	1,250	24	11	14
ER3AU	"	828	29	5	7
KVØK	"	608	30	15	23
JA1GTF	"	576	16	8	10
YO4ATW	"	576	16	7	11
K6BBQ	"	209	19	6	5
UA1CEG	"	80	10	2	6
EA8/OH2BEM	"	6	1	1	1
YO6EX	7	139,440	783	30	110
F5LEN	"	129,844	565	27	116
HAØGK	"	56,306	407	17	77
RW9LL	"	50,025	270	15	60
T99T	"	44,863	370	16	75
YU1LM	"	43,521	410	15	74
F5UL	"	35,904	352	18	70
RA9SO	"	32,499	178	16	53
SP1AEN	"	31,006	377	10	64
HB9CEY	"	29,988	252	14	70
SP4JFR	"	26,640	325	12	60
W5JBV/4	"	17,287	127	16	43
SP7BCA	"	15,163	274	8	51
ON5JT	"	12,032	214	12	52
RA4SMM	"	11,780	153	11	51
F5MBM	"	9,720	121	11	49
KO1H	"	8,190	62	19	46
RA9QCE	"	7,990	114	10	37
UA9UHN	"	7,248	78	13	35
OM4PD	"	5,876	99	11	41
JF3WNO	"	3,420	51	12	18
JH8FAJ/7	"	1,170	30	9	9
RN3QKG	"	1,102	28	5	19
F8BBL	"	1,064	48	5	23
KC2LYQ	"	572	21	6	16
BA6QA	"	513	45	10	17
KA6SGT	"	464	30	8	21
YU1ANO	"	392	13	6	8
UZ5UA	"	288	8	4	8
DR7R	"	77	10	3	8
			(OP: DL7RBI)		
LY2GW	3.5	55,425	646	11	64
SP9NSV	"	53,040	622	12	66
HA1WD	"	52,650	558	14	67
F5VBT	"	46,425	523	11	64
G4CWH	"	28,609	400	10	57
LA8WG	"	12,595	199	9	46
K3TW	"	10,800	82	12	42
HG6V	"	6,696	139	8	54
			(OP: HA6VA)		
IZ1DGG	"	4,592	129	6	35
W8QZA/6	"	2,184	36	11	13
5Q8A	"	176	14	3	13
			(OP: OZ8A)		
RN9AA	"	54	3	3	3
C6ARR	1.8	129,480	773	17	66
			(OP: N6BT)		
OK1IW	"	16,878	309	7	51
ER2RM	"	13,983	216	9	50
ES1CW	"	13,364	266	7	45
W2MF	"	11,742	86	13	44
UY5VA	"	9,384	176	7	39
T94LW	"	8,437	150	7	52
SQ7FPD	"	8,300	180	7	43
OH7FF	"	6,084	167	5	31
DJ3GE	"	2,848	98	3	29
N7IR	"	1,892	40	11	11
UTØET	"	1,764	106	6	36
SP8TJU	"	1,617	59	5	28
UA3AAP	"	665	34	4	15
WO2N	"	80	20	2	2

ASSISTED

NORTH AMERICA

United States

KI1G	A	3,030,880	1850	132	476
W1AO	"	2,586,875	1526	127	498
N1DG	"	2,181,912	1148	142	545
W1CSM	"	2,060,058	1413	123	416
N1BAA	"	1,600,560	1110	115	455
K2TE/1	"	1,529,634	1257	104	343
AA1V	"	1,281,288	800	120	471
W1GD	"	1,276,793	946	112	385
NT1Y	"	995,319	712	109	434
W1QK	"	977,774	889	91	331
K1KP	"	974,100	1034	89	293
W1NT	"	946,944	911	95	316
W1RZF	"	894,894	911	89	340
N4XR/1	"	639,576	611	96	327
KZ1M	"	622,251	645	83	274
			(OP: W1EQ)		
W1TO	"	614,514	525	100	338
K1QX	"	529,641	469	97	344
W1RM	"	453,680	394	103	325
WB1DX	"	374,900	453	80	246
W1NG	"	312,852	330	89	283
W1ZZ	"	311,236	317	90	301
K1LD	"	300,980	410	66	232
KE1FO	"	300,440	447	64	216
N1MD	"	223,925	341	60	205
K1RV	"	218,960	306	75	205
WB1EDI	"	193,700	300	66	194
W1KQ	"	161,667	302	67	186
KV1J	"	160,254	250	76	185
K1SEZ	"	120,000	252	57	143
K1NU	"	119,380	191	63	172
W1NR	"	87,568	157	62	146
N1API	"	79,599	217	39	118
AA1QD	"	67,886	141	47	135
W1ZR	"	56,072	184	48	115
WJ1B	"	37,410	149	43	86
N1AU	"	22,200	84	33	78
K1TR	"	17,195	73	33	62
WA1ZYX	"	7,360	47	21	43
W1MAT	"	1,071	19	6	15
NE1B	"	726	17	11	11
KC1F	14	97,240	280	28	102
K1LT	1.8	42,873	196	17	76
K2NG	A	3,876,374	1862	158	624
N2NL	"	2,655,240	1484	155	541
K2DM	"	1,708,720	1217	124	396
N2WK	"	1,392,384	906	128	464
N2ED	"	1,225,947	1080	115	386
K2ONP	"	1,101,397	920	99	350
W2LE	"	1,100,223	872	102	357
K2EK	"	1,026,630	796	126	384
WQ2N	"	987,309	852	107	352
W2GDJ	"	797,895	700	102	345
KA2D	"	782,034	655	97	354
K2TTT	"	761,057	709	110	363
W2RD	"	569,452	497	111	355
N1JP/2	"	353,160	438	72	252
K2SG	"	292,657	520	50	161
W2REH	"	291,618	393	69	237
KE2SD	"	254,092	476	74	204
K2QPN	"	245,619	356	78	219
K2XF	"	233,772	307	84	224
K2BX	"	211,312	299	64	217
K2SQS	"	200,168	327	67	195
WK2H	"	198,588	307	64	183
N2VW	"	180,684	293	65	187
N2YO	"	167,960	298	57	164
W2RZS	"	157,520	327	60	160
			(OP: WB2NVR)		
K2EP	"	162,361	278	58	171
WA2JQK	"	145,678	352	79	259
W2EQ	"	56,206	140	52	105
K2DBK	"	5,304	39	19	33
WF2B	"	4,760	39	31	37
KS2G	"	3,920	37	22	34
KF2O	"	2,318	24	16	22
WA3AFS	"	24	2	2	2
W2VQ	21	19,039	95	20	59
W1TY/2	7	26,117	121	21	70
N2LQ	1.8	5,424	51	14	34
K3WW	A	4,513,465	2496	143	542
K3OO	"	4,221,000	2271	142	528
N3AD	"	3,154,104	1902	139	500
K3PH	"	2,674,812	1657	123	465
N3AM	"	1,490,482	1159	103	366
K3QF	"	1,488,027	1047	121	416
K3ZZ	"	1,340,700	1150	112	380
K3ND	"	1,288,800	900	120	417
KQ3F	"	1,258,002	1096	93	330
K9RS/3	"	1,230,120	837	125	411
N3ZA	"	908,088	714	111	371
AB3CX	"	886,968	845	89	299
W3EKT	"	600,928	654	90	332
NE3H	"	547,596	610	86	285
W3GG	"	394,476	531	69	215
K3CT	"	379,040	401	92	276
W2RF/3	"	306,892	398	74	218
N3ST	"	290,440	394	65	209
K3SV	"	224,272	351	65	197
WX3B	"	200,119	263	66	227
NQ3X	"	133,722	275	57	150
N3GNW	"	106,169	205	50	153
W2UP/3	"	99,552	286	31	105
K3II	"	97,034	233	59	144
W2CDO/3	"	84,600	187	61	139
W3OU	"	65,031	168	44	115
K3STX	"	55,360	148	52	108
K3PP	"	48,085	118	53	110
N1SZ/3	"	9,039	51	21	48
WA3AAN	14	48,136	196	18	70
N3CZ	7	252,615	617	34	131
WA3C	"	55,500	217	27	98
N4WW	A	2,655,576	1480	150	543
AA4S	"	1,792,840	1289	118	414
K4SAV	"	1,432,325	935	127	448
N4KG	"	1,393,080	918	128	442
AA4V	"	1,258,575	927	106	413
N4CJ	"	1,236,413	1114	98	345
N2TU/4	"	1,225,588	922	118	400
K4XD	"	1,051,535	905	104	341
N4ZC	"	944,965	679	126	425
KR4F	"	943,109	757	114	379
KD5M/4	"	888,571	759	113	336
W3OA/4	"	847,346	741	104	327
K4PB	"	754,072	683	112	339
N4RV	"	753,294	662	108	338
N4GG	"	727,740	751	95	295
W4ZW	"	710,217	726	98	325
K4FPF	"	634,680	671	81	288
KG4W	"	608,160	575	96	324
W4NZ	"	580,390	481	114	343
KE1F/4	"	550,125	587	84	291
W4FDA	"	538,356	497	86	320
W2WG/4	"	522,288	579	97	275
WA2BCK/4	"	487,890	528	82	269
K1KO/4	"	482,148	538	83	271
N4VA	"	420,472	503	79	232
W4CU	"	373,230	500	68	222
K4SV	"	366,912	458	70	218
N4LR	"	354,540	446	80	231
K4LQ	"	347,841	388	92	259
AA4FU	"	341,691	448	79	228
W6UB/4	"	340,480	369	87	293
K4FX	"	323,760	463	93	262
N2QT/4	"	303,831	331	83	280
N4ZZ	"	299,552	443	67	186
W4XO	"	280,140	446	67	209
N4VV	"	268,250	361	74	216
KT4PD	"	181,827	339	57	170
K4GHS	"	164,340	294	65	184
NE4M	"	163,795	290	69	166
K4KO	"	157,014	256	77	157
N4XD	"	113,811	239	41	136
N3KN/4	"	108,192	228	53	143
AD4IE	"	108,030	244	56	139
N4CI	"	96,679	231	61	126
N4RJ	"	96,224	224	51	143
WT4Q	"	95,200	204	59	141

K4WW	"	93,920	226	47	113
W4DFW	"	93,177	189	61	128
K4GMH	"	85,952	294	36	100
W4LT	"	76,466	196	50	123
W4ZE	"	71,410	152	52	133
KI4TZ	"	66,198	177	51	126
KØCOP/4	"	61,560	145	57	114
N4TL	"	52,920	160	38	97
W4MY	"	48,015	130	58	107
AD4YQ	"	44,496	135	44	100
NV4B	"	38,550	109	53	97
W4OV	"	35,358	113	50	92
KU4G	"	34,001	116	36	85
K4DGW	"	21,364	93	37	72
K2SD/4	"	11,550	93	36	69
K4APG	"	10,512	55	26	47
WG4M	"	6,305	49	28	37
N4NM	"	3,740	37	16	28
N4PQX	21	29,070	123	21	69
W4SO	14	433,485	1058	34	135
KU5B/4	7	303,564	882	36	128
K1ZZI/4	"	246,789	661	31	122
K4CZ	3.5	50,508	201	19	73
W6IZT/4	"	14,742	98	21	57
W4DR	1.8	38,496	157	18	78
K7CMZ/4	"	10,915	105	13	46
N5JR	A	555,764	553	84	290
W5GA	"	487,009	591	90	277
WT5U	"	166,712	329	64	165
W5KI	"	154,346	261	66	163
N5ZK	"	125,851	288	48	139
					(OP: W5ASP)
KA5M	"	113,206	205	66	148
K5GM	"	111,168	244	64	128
K5HDU	"	80,960	198	52	108
N1CC/5	"	63,750	173	57	113
WA5VSK	"	60,144	173	60	119
W5TB	"	56,108	154	57	109
AF5Z	"	48,654	139	60	93
N5XJ	28	7,379	78	15	32
WØVX/5	21	39,168	161	24	72
KU5B	7	296,622	882	36	126
N5JB	"	113,337	324	34	113
AD5VJ	"	9,240	66	21	49
W5ZO	3.5	16,274	92	22	57
NX5M	1.8	20,514	109	18	60
K6TA	A	1,205,100	1016	127	323
K6XT	"	766,476	671	132	321
N6WS	"	792,688	730	118	294
K6RIM	"	507,600	547	102	274
N2NS/6	"	455,264	540	103	225
N6QQ	"	441,214	556	98	236
N6XI	"	353,428	445	94	204
W6TK	"	339,563	500	87	184
N6DA	"	220,248	371	79	149
N6NG	"	178,087	296	79	168
K6III	"	176,358	325	73	148
W6SR	"	145,416	289	73	146
WT6K	"	137,562	327	75	127
KQ6ES	"	123,420	263	72	115
N6VH	"	108,336	228	62	121
WA6L	"	108,252	268	71	123
N6NC	"	102,097	251	70	123
K6RR	"	99,630	263	76	129
AD6ZJ	"	99,330	224	72	138
WB6JJJ	"	84,436	199	68	134
K6GEP	"	80,454	200	65	94
N6RK	"	56,950	132	54	116
NK6A	"	50,094	171	43	78
WX6V	"	35,360	106	41	89
W6SC	"	30,996	110	38	70
K6JEB	"	22,185	107	38	49
KD6WKY	"	21,576	119	50	74
K6DGW	"	16,562	80	39	52
W1RH/6	"	9,112	59	28	39
K6ST	"	7,056	51	27	36
NU6T	"	2,795	42	20	23
W6RKC	7	19,520	117	20	44
W6SJ	"	15,552	103	25	47
W6NV	3.5	44,717	192	30	67
N6IG	1.8	8,177	111	14	23
N7CW/6	A	986,776	801	132	337
K7WP	"	755,006	800	114	284
W7ZR	"	728,838	717	124	285
K7UA	"	563,214	631	100	254
NN7ZZ	"	472,374	619	93	229
					(OP: N5LZ)
NN7SS	"	309,582	441	84	210
					(OP: K6UFO)
W7SW	"	277,343	517	69	140
KF7E	"	257,400	333	110	215
K7XC	"	219,765	342	98	175
K7ABV	"	191,520	339	68	156
K7BTW	"	182,020	366	65	125
W7CT	"	149,248	273	68	144
N7RK	"	147,096	276	68	148
AB7E	"	134,692	253	68	155
W7WHY	"	117,786	266	70	131
W7QQQ	"	114,869	211	65	168
KT7G	"	41,344	154	54	82
WE7K	"	23,730	106	38	75
N7AZ	"	21,948	101	38	55
K7VIT	"	20,520	78	39	56
N7XY	"	16,863	85	31	46
WO7T	"	5,772	46	32	46
N7RQ	"	2,655	24	21	24
W7UT	21	55,056	232	24	69
K8IA/7	7	388,596	945	34	122
W6XI/7	"	129,504	354	33	109
N7MAL	"	22,437	100	24	57
N7RT	3.5	33,900	141	30	83
W8MJ	A	1,624,590	1226	124	423
N8TR	"	973,323	611	130	481
N4TX/8	"	768,660	702	115	345
N8BJQ	"	596,106	595	95	283
AA8LL	"	535,248	553	85	293
W8JY	"	483,365	540	84	265
K5ZG/8	"	345,075	440	81	240
N8IW	"	237,316	291	75	241
K8GT	"	203,187	302	80	187
AJ1M/8	"	160,704	268	69	179
K8WDN	"	139,974	248	74	172
W8FAX	"	104,152	204	49	139
K3WA/8	"	44,020	120	43	112
N8ET	14	378,962	802	34	144
K8AQM	3.5	92,250	319	25	100
W8CZN	"	18,920	114	18	70
W8UVZ	1.8	37,400	248	22	78
W8TN	"	6,890	67	15	38
WB9Z	A	1,574,716	1122	139	433
W9XT	"	1,390,109	1057	118	379
K9IMM	"	1,231,452	1010	113	361
N9CK	"	1,140,544	853	115	387
N9XX	"	541,413	534	91	296
N9FH	"	508,725	530	95	304
K9CT	"	462,560	451	99	293
KI9A	"	447,020	430	101	311
NS9I	"	440,325	602	84	225
KA9FOX	"	430,400	419	108	292
WE9V	"	421,056	419	96	291
NZ9R	"	403,920	476	93	247
K9XV	"	373,464	462	76	266
WE9R	"	323,505	437	84	231
K9OR	"	310,310	361	86	255
K9UQN	"	266,060	404	71	180
N2BJ/9	"	185,571	320	56	181
N9CO	"	127,920	225	51	154
KA9O	"	116,352	241	56	146
W9FX	"	96,600	211	48	127
N7US/9	"	93,147	210	51	132
W9SN	"	46,629	133	54	103
W9IL	"	34,086	106	32	82
W9RN	"	32,760	113	49	77
AA9DY	"	5,605	77	22	37
N9SDT	"	2,277	74	32	37
N9AU	7	106,455	277	30	111
N9FN	3.5	1,677	27	14	25
KØKX	A	1,324,927	972	117	392
WAØMHJ	"	648,645	639	102	313
KØUK	"	625,560	708	112	278
WBØHCH	"	465,360	560	86	250
N5IN/Ø	"	400,932	417	108	279
KØRC	"	369,510	447	91	236
KØOB	"	347,454	493	75	216
KEØUI	"	345,952	476	88	216
KØAD	"	257,580	429	78	187
KSØT	"	228,780	329	75	204
KØYR	"	166,413	311	67	154
NØIM	"	158,625	273	70	165
ACØW	"	132,158	267	73	148
WA2MNO/Ø	"	131,080	235	65	167
KEØL	"	109,151	216	64	153
NRØL	"	99,000	222	65	133
KØHB	"	98,193	189	66	147
KØMPH	"	89,199	219	53	134
WØGJ	"	82,782	240	74	145
W4RK/Ø	"	78,581	215	58	121
KØCOP	"	57,967	145	57	112
NIØC	"	57,240	140	46	113
WGØM	"	45,600	134	43	107
NSØB	"	28,182	96	45	77
ACØDS	"	21,008	106	41	63
WØAD	"	18,165	87	42	63
WØLM	"	12,936	67	29	59
KØXQ	"	7,424	59	24	40
NUØJ	"	2,160	31	13	23
NØKBD	"	1,419	25	21	22
KØKT	3.5	52,839	201	23	80

Alaska

KL2R	A	75,240	456	35	41
					(OP: N1TX)

Canada

VE1OP	A	2,140,450	2126	94	351
VE2FU	A	567,712	813	81	233
VA2AM	"	252,054	389	80	262
VE3UTT	A	1,401,728	1207	105	361
					(OP: W1AJT)
VE3KF	"	1,233,696	1720	94	268
VA3DX	"	801,021	822	107	330
VA3PL	"	292,448	492	69	178
VE3NWA	"	249,561	463	73	170
VE3CFK	"	218,112	497	78	206
VE3UW	"	193,648	493	53	143
VE3ZZ	"	88,920	199	58	132
VE3MM	"	3,498	34	21	32
VE3MGY	1.8	24,025	397	10	21
VA6XDX	A	125,120	396	60	100
					(OP: VE6LB)
VE6DJT	"	1,053	26	14	13
VE7KET	A	255,633	422	81	178

Mexico

6H1ZVO	A	59,444	214	46	108
					(OP: XE1ZVO)
XE1ZW	"	45,194	332	48	70
XE2WWW	14	97,278	559	27	66

Puerto Rico

WP3F	7	691,664	2206	31	108

AFRICA

African Italy

IH9GPI	A	416,120	792	43	159
IH9U	21	507,195	1212	33	120
					(OP: I1NVU)
IH9R	7	1,268,302	3083	32	114
					(OP: IZ1GAR)
IH9M	3.5	1,099,296	2623	32	112
					(OP: IK7JWY)

Canary Islands

EA8BEX	A	1,221,332	1201	91	280
EA8BQM	"	156,880	349	46	139
EA8CAC	"	35,741	151	35	68

Madeira Islands

CT3KN	A	5,213,853	3507	116	433

Mauritius

3B8/SM6GOR	A	6,552	59	20	32

ASIA

Asiatic Russia

UA9APA	A	3,134,640	2085	125	430
UA9MC	"	1,245,387	1199	102	327
RM9RZ	"	702,944	797	85	267
RV9CX	"	632,523	788	79	230
RA9KM	"	447,552	698	67	192
UA9OC	"	158,364	326	63	149
RV9UP	"	140,556	315	66	146
RA9MC	"	133,704	271	60	156
RA9MX	"	107,004	214	61	161
UA9CBR	"	65,052	172	41	115
UA9UR	28	247	15	6	7
UA9UCK	21	28,890	168	25	65
UA9PM	14	603,100	1645	31	117
RZ9HG	7	358,386	1212	34	104
UA9PC	3.5	511,872	1600	28	100
RW9USA	"	349,776	1130	27	99
RT9S	"	330,660	958	29	103
					(OP: UA9SP)
RA9AC	"	309,858	860	30	99
RK9AD	"	255,623	969	24	83
RU9TO	1.8	43,216	256	13	60
RUØAW	A	1,198,305	1081	118	347
RWØUM	"	284,410	691	74	164
RAØJF	"	2,838	57	16	27
RKØAB	7	109,271	538	29	84

China

BA4RF	A	1,894,150	2093	116	314
BD4SP	"	100,155	332	58	107
B4TB	"	98,784	348	63	105
					(OP: BA4TB)

Georgia

4L8A	A	4,824,600	4502	93	315

Japan

JA1XRH	A	176,381	329	89	144
JE1EKT	"	145,812	528	48	68
JO1WKO	"	95,424	191	64	128
JI1ALP	7	42,750	191	28	62
JA2PAC	A	38,412	196	78	116
JR2PMT	"	33,448	135	50	63
JG2KKG	14	296,660	869	36	104
JH3PRR	A	991,051	811	134	345
JA3PYC	"	248,490	417	95	156
JO3DDD	"	69,102	200	76	122
JS3CTQ	"	58,016	181	58	90
JA3VUI	"	26,265	107	45	58
JA3RAZ	"	4,508	54	22	27
JR3RIY	21	18,270	125	23	47
JL3MCM	7	18,304	114	24	40
JH1GUO/4	A	60,680	188	57	91
JO7KMB	A	400,995	592	108	177
JE7YSS	"	5,992	77	14	14
					(OP: 7N4TEN)
JA7ARW	"	4,830	59	17	18
JH7MEX	3.5	8,151	61	21	36
JH9KVF	21	61,013	292	32	65
JA9XBW	1.8	285	26	6	9
JAØFVU	14	162,360	525	35	97

Kazakhstan

UN9L	A	365,650	1086	29	113
UP1G	21	338,883	1086	28	101
					(OP: UN7QX)
UP4L	14	508,515	1275	34	133
					(OP: UN7LZ)

Laos

XW1B	A	533,478	1047	84	190

EUROPE

Aland Islands

OHØE	14	665,907	1965	39	148
					(OP: OH2MM)

Austria

OE4VIE	7	187,850	1071	29	101

Belarus

EW2AA	A	1,623,944	1579	129	488
EU1AZ	7	262,440	1239	33	129
EV1R	"	242,190	1224	33	129
					(OP: EU1PA)
EW1CQ	1.8	69,836	761	13	66

Belgium

OQ5M	A	2,678,976	2824	121	455
					(OP: ON5ZO)
OT1A	"	1,916,761	2097	99	412
					(OP: ON4CCP)
ON6FC	"	6,880	90	22	58
OR2T	21	195,926	633	33	130
					(OP: ON4ATW)

Bulgaria

LZ1IKY	A	213,444	663	58	194

Croatia

9A7T	A	1,264,536	1257	133	446
9A3KS	"	82,621	217	58	145
9A2U	7	388,892	1498	34	138
					(OP: 9A3ZA)

Czech Republic

OK7Y	A	1,689,192	2057	106	416
					(OP: OK1FDY)
OK3C	"	874,248	956	104	395
					(OP: OK2ZC)
OK2PF	"	144,342	495	54	189
OK2HZ	21	54,805	209	31	82
OL5M	"	47,495	193	30	85
OK4RQ	7	730,884	2144	38	158
OK1DG	"	367,314	1440	34	140
OK1FZM	"	174,900	657	34	131
OK1ZE	"	28,704	232	16	76
OK1CW	3.5	231,150	1390	30	104
OK3R	"	119,280	622	19	61
					(OP: OK1DVM)
OK1TD	"	26,790	185	16	79
OL5K	1.8	105,084	822	19	89
					(OP: OK1NY)
OK1TP	"	68,716	829	16	66

Denmark

5Q2T	14	57,720	356	25	79

England

G4IIY	A	1,957,515	2049	100	443
GØMTN	"	1,323,162	2006	89	369
G3NKC	"	710,790	998	84	351
MØBPQ	"	117,165	311	54	165
G3YBY	"	112,860	298	55	165
G4FSU	"	102,960	294	50	148
G4OBK	"	68,068	157	64	157
G3VKW	"	52,824	164	59	127
G6OKU	"	17,654	151	22	69
MØOKT	"	16,830	136	23	62
G4EHT	"	4,365	45	19	26
G9A	14	193,614	985	30	108
					(OP: G4RCG)

Estonia

ES2DJ	A	611,040	1133	90	312
ES5MC	"	320,460	770	72	222
ES5DB	"	81,989	320	38	125
ES1GF	"	65,254	313	49	109
ES5RY	14	385,910	1082	37	148
ES4RD	"	218,686	701	37	132
ES5QX	1.8	201,105	1206	27	96

European Russia

RW6HX	A	3,252,200	3128	146	554
RA3CM	"	2,095,600	2182	133	487
RN3QO	"	1,877,208	1803	139	503
RD4WA	"	1,518,480	1992	116	424
RV3FF	"	1,196,772	1320	126	425
UA6LTI	"	1,118,325	1181	127	428
UA4WKW	"	588,468	990	92	256
RA3NZ	"	576,887	1045	80	309
RX3AEX	"	370,175	718	76	259
RZ6HF	"	280,462	608	72	227
RA3DNC	"	259,985	536	77	242
RA3FD	"	221,536	723	44	180
UA4WMA	"	219,776	682	60	212
UA1NFA	"	200,438	426	71	207
RV6YB	"	188,700	564	52	170
RN3RFX	"	164,736	605	60	204
UA3MEJ	"	147,554	408	67	142
RD3AD	"	144,060	568	42	154
RZ6AK	"	123,348	559	48	180
RK3QS	"	107,172	546	35	121
UA6YW	"	85,410	210	67	128
RW3AFY	"	74,500	336	40	109
RU3VD	"	61,415	127	68	105
UA4PAQ	"	53,214	252	39	108
UA3AGW	"	39,690	100	59	88
RA1WZ	"	34,416	170	38	106
RA6AX	"	26,789	285	24	65
UA6XDX	"	26,429	215	27	80
UA3DLD	"	15,925	149	20	71
RU6DX	"	14,673	151	24	43
UA4FCO	"	12,710	134	21	61
UA3DUJ	"	12,136	115	29	53
UA3XAC	"	8,710	72	16	49
RL3BM	"	7,192	50	19	39
UA3FX	"	1,849	30	18	25
UA4ARL	"	1,665	19	18	19
UA6AA	21	102,753	429	32	115
RA6YJ	"	6,148	42	24	34
RK3XWO	14	189,255	792	34	131
					(OP: RA3XAR)
UA1ANA	"	109,556	602	26	96
UA1OEX	"	5,368	91	9	35
UA3SAQ	7	204,925	770	35	140
RU6AV	"	111,159	344	35	144
RA6YDX	"	87,720	421	28	108
UA6AKD	"	46,436	409	20	74
UA3BS	3.5	255,450	1236	33	117
RV3MI	"	103,740	775	22	83
RN4CU	"	11,424	248	8	43
UA6LV	1.8	190,672	981	29	107
RN3GM	"	53,550	522	15	70

Faroe Islands

OY1CT	A	272,223	828	50	211

Finland

OF5A	A	1,917,096	2351	128	424
					(OP: OH5BM)
OF6NIO	"	1,527,920	1653	123	445
OH6MW	"	721,594	1302	85	336
OH2XX	"	209,062	467	67	207
OH1MM	"	182,928	299	72	237
OH6DX	"	180,768	290	84	252
OH3NDH	"	88,288	303	44	134
OH2BN	14	29,618	128	27	91
OH6GAW	3.5	89,856	794	18	78
OH2BO	1.8	50,138	304	23	83
OH3BU	"	2,870	40	10	31

France

F8CMF	A	2,784,250	2305	129	473
F8CRS	"	449,550	878	72	261
F5VHJ	"	235,960	452	83	257
F5UTN	"	228,784	385	83	233
F5VJC	"	177,548	478	52	186
F5VJK	"	51,834	222	32	127
F5IQJ	"	18,824	126	31	73
F1OK	"	8	2	2	2
F8AKC	28	4,884	82	12	32
F8DBF	14	871,812	2278	36	147
F5UFX	"	98,865	393	22	95
F5OTZ	"	39,330	260	20	75
F5PHW	7	72,252	486	19	89
F1AKK	3.5	489,744	2055	29	115
F4DNW	"	161,504	1058	21	82
F5IN	1.8	69,048	635	14	70

Germany

DJ5MW	A	5,225,924	3537	166	637
DL7ON	"	2,896,656	2198	160	539
DJ2YA	"	2,488,570	1674	150	580
DK3GI	"	2,333,676	1856	145	533
DL8DYL	"	1,438,008	1297	117	455
DL5KUT	"	1,164,000	1262	99	381
DL1EJA	"	1,038,750	928	123	502
DD1LD	"	1,015,560	1467	98	336
DL4CF	"	966,424	1375	99	329
DL8QS	"	952,704	1039	126	450
DHØGHU	"	922,823	1103	98	375
DJ6QT	"	885,929	1130	104	369
DL8DAZ	"	885,768	1003	106	395
DH8VV	"	850,690	843	109	376
DL6NCY	"	713,450	811	110	365
DL5YM	"	693,864	1117	96	323
DJ3WE	"	678,000	907	94	358
DM1TT	"	619,347	816	109	322
DL4ME	"	565,250	1147	75	275
DF5ZV	"	524,172	688	92	326
DJ8QP	"	515,812	783	95	323
DL1NEO	"	503,412	903	79	285
DL1REM	"	476,619	1191	64	239
DG7RO	"	453,700	840	63	262
DF6QV	"	442,520	694	76	294
DL6KVA	"	373,722	503	98	300
DL3EBX	"	366,165	749	63	246
DD1JN	"	363,370	808	61	229
DM3PKK	"	329,703	653	69	222
DM5Z	"	319,370	855	59	234
					(OP: DM5JBN)
DK1FW	"	312,480	423	76	284
DK1NO	"	282,720	741	60	180
DL1ECG	"	280,291	503	71	236
DL9MRF	"	279,754	640	60	214
DF1QQ	"	264,661	570	64	247
DL5MX	"	240,097	545	66	233
DL2KCK	"	238,334	462	72	197
DL7UIO	"	218,880	518	56	172
DL5AWI	"	191,958	297	84	215
DL7JOM	"	190,440	528	53	177
DF5UL	"	188,000	337	65	170
DL1ELY	"	180,648	407	59	175
DJ2SL	"	178,794	374	62	196
DK7ZH	"	164,260	481	49	166
DJ7YT	"	161,564	426	50	189
DL7JAN	"	158,172	254	81	213
DK3DUA	"	151,740	309	70	200
DJ4KW	"	145,396	491	45	178
DL9NDV	"	143,815	330	50	195
DL4RCK	"	138,752	319	68	203
DJ8EW	"	138,720	332	55	149
DK6CQ	"	129,870	333	66	168
DL5KUA	"	122,320	405	46	174
DJ1AA	"	110,682	333	51	147
DKØAE	"	107,212	331	50	146
					(OP: DJ1AA)
DJ8OG	"	106,288	321	52	156
DL4ØRRDXA	"	97,079	327	50	143
					(OP: DJ1AA)
DG8VE	"	61,335	198	37	104
DL9GTI	"	43,274	135	48	106
DK5TX	"	43,197	190	33	86
DL3DRN	"	31,460	137	38	83
DL4FDI	"	26,862	186	29	92
DK1TF	"	23,634	103	41	76
DF2QZ	"	14,322	83	31	62
DL5XL	"	13,855	55	34	51
DJ2SX	"	12,528	112	28	80
DL9NCR	"	10,472	86	28	60
DJ8HB	"	7,440	96	31	62
DH6DAO	"	6,720	48	26	38
DK1MM	"	4,042	58	13	30
DK9HE	"	3,540	57	19	40
DL6KAC	"	1,190	31	6	11
DK2PH	28	3,634	44	11	35
DO4DXA	"	726	18	6	12
DQ4Q	21	92,000	309	34	126
					(OP: DF9ZP)
DL3ARK	"	7,579	73	15	38
DL1IAO	14	770,364	1862	39	150
DK1QH	"	153,328	602	34	114
DLØYE	"	61,048	306	25	79
					(OP: DL1LH)
DD1IM	"	20,424	167	16	53
DK1BN	7	334,755	1179	35	138
DFØCI	"	261,403	1205	35	138
					(OP: DL8AKI)
DL7BY	"	146,616	718	30	119
DLØKF	"	131,376	626	31	130
					(OP: DJ7SW)
DJ6TK	"	32,086	152	27	95
DL4MFM	"	21,320	194	13	69
DJ4PI	"	12,556	81	20	66
DF9OX	3.5	337,144	1599	30	104
DL5XJ	"	82,576	625	21	83
DL1RG	"	73,851	520	21	82
DL6ZXG	"	37,318	299	23	71
DL4ZZ	"	8,030	118	10	45
DF2UU	1.8	60,808	617	14	74
DK2GZ	"	55,890	564	14	76
DL1ROJ	"	11,025	248	9	54
DK7ZT	"	6,380	97	9	49

Greece

SV1DPI	A	1,560,328	1716	135	461

Guernsey

GUØSUP	A	128,820	333	46	180

Hungary

HG3DX	A	4,529,600	3315	160	600
					(OP: HA3MY)
HA3A	"	984,024	2100	89	257
HA9PP	"	840,411	1160	90	339
HAØHW	"	807,872	1167	93	323
HA6NL	"	191,632	1305	23	93
HA5AO	"	51,947	136	57	124
HG4I	14	346,434	963	38	143
HG5A	7	646,722	2295	36	150
HA8QZ	"	156,312	712	33	123
HGØA	3.5	372,600	1888	28	107
					(OP: HA5JI)
HA8BE	"	158,115	995	26	101
HA5UY	"	30,806	382	12	61
HA1YI	"	30,705	356	11	58

Iceland

TF3AO	A	4,212	69	13	41

Ireland

EI6IZ	A	892,584	1476	84	308
EI9ES	"	45,832	234	32	104

Italy

IKØYUT	A	2,287,360	2088	137	503
IK2AHB	"	587,664	988	74	244
IZ5EKV	"	377,057	961	61	150
IR4E	"	357,714	606	83	223
					(OP: IK4ZHH)
IK3SCB	"	304,522	761	59	155
IZ5AXA	"	137,171	375	64	165

IZ3KKE	"	47,995	173	48	97
IZ1HIV	"	21,183	263	15	54
IK2ECP	"	9,240	102	16	39
IK1QBT	**28**	**5,358**	**91**	**11**	**36**
IQ2CJ	**14**	**763,045**	**1974**	**38**	**153**
					(OP: IK2JUB)
I2GPT	"	77,300	378	26	74
IO3P	**7**	**670,605**	**2215**	**36**	**145**
					(OP: IV3NVN)
IZ4GWE	"	43,754	209	29	102
IO3N	**3.5**	**375,570**	**1796**	**31**	**104**
					(OP: IV3RLB)
IO4T	**"**	**232,848**	**1553**	**26**	**86**
					(OP: IZ4EFN)
IR2C	"	159,962	830	25	96
					(OP: IK2PFL)
IK1YDB	**1.8**	**137,360**	**1019**	**20**	**81**

Kaliningrad

RN2FA	A	266	7	7	7

Latvia

YL2KO	**A**	**2,661,352**	**2695**	**146**	**486**
YL5T	"	919,484	1098	113	344
					(OP: YL3DQ)
YL9T	"	765,496	1311	90	322
YL2KF	"	4,784	60	17	35
YL2VW	**1.8**	**129,987**	**1022**	**20**	**79**

Lithuania

LY2IC	**A**	**954,492**	**1373**	**95**	**367**
LY4U	"	35,264	357	20	56
LY3BA	"	18,144	93	29	83
LY1R	"	12,772	118	26	77
LY8O	**14**	**699,916**	**1769**	**40**	**156**
LY4G	"	78,546	316	26	88
LY1C	**7**	**60,528**	**544**	**17**	**80**
LY7M	**3.5**	**249,480**	**1546**	**27**	**99**
LY3M	"	102,690	997	22	68

Luxembourg

LX5T	**7**	**347,424**	**1558**	**35**	**141**
					(OP: LX1KC)

Malta

9H3HH	**A**	**1,582,452**	**3126**	**82**	**307**
					(OP: DJ9RR)

Moldova

ERØWW	**A**	**6,272,022**	**4763**	**160**	**602**
					(OP: UT5UDX)

Netherlands

PA1CC	**A**	**955,185**	**1505**	**81**	**304**
PAØLOU	"	391,300	644	82	282
PA5TT	"	276,300	545	63	244
PF5X	"	250,436	451	70	204
PAØWRS	"	220,578	438	67	224
PB2JJ	"	138,054	494	44	129
PA1TT	"	112,093	387	40	157
PG3N	"	110,592	389	48	144
PAØKHS	"	98,880	415	40	120
PA5KT	"	45,440	192	38	104
PA5O	"	38,467	217	33	110
PA3GRM	"	26,133	202	29	64
PA3EWP	**14**	**457,184**	**1405**	**38**	**144**
PA3C	"	51,625	255	30	95
PAØJED	**7**	**81,312**	**404**	**26**	**106**
PA2AWU	"	29,870	197	21	82
PA5R	"	17,095	229	16	49
PA4VHF	**3.5**	**375,636**	**1779**	**32**	**106**

Northern Ireland

GI4NKB	**A**	**431,673**	**986**	**63**	**246**

Norway

LA6FJA	7	204	17	5	12

Poland

SQ9UM	**A**	**2,302,022**	**2022**	**127**	**495**
SP2EWQ/2	"	728,334	1123	81	306
SP2LNW	"	720,324	1084	92	336
SQ5M	"	224,992	430	74	242
SQ9FMU	"	213,601	544	54	197
SP7LI	"	174,370	533	64	201
SP8HXN	"	123,617	258	74	183
SP7HKK	"	104,980	552	30	115
SQ3RX	"	98,658	338	47	127
SP6EIY	"	64,938	236	47	111
SO7O	"	1,880	27	15	25
					(OP: SP7DQR)
SQ9NRY	"	442	10	7	10
SP8RHC	"	234	12	7	11
SQ5EK	"	54	3	3	3
SN3A	**21**	**194,940**	**522**	**34**	**146**
					(OP: SP3GEM)
SN2J	"	2,530	13	11	12
					(OP: SP2JMB)
SP1NY	**14**	**328,512**	**974**	**37**	**137**
SP3OCC	"	111,520	494	28	108
SN8R	**7**	**575,112**	**2103**	**36**	**150**
					(OP: SP8ONZ)
SP4Z	"	432,042	1243	36	155
SO2R	**3.5**	**716,661**	**2500**	**36**	**135**
					(OP: SP2FAX)
SN9Z	"	113,625	1064	19	82
					(OP: SP6EQZ)
SP1S	"	5,208	56	12	44
SP8FNA	"	4,550	68	12	38
SN3R	**1.8**	**201,956**	**1231**	**22**	**94**
SO8A	"	161,124	1066	25	91
					(OP: SP8BRQ)
SP6GCU	"	47,346	554	12	66
SP8LBK	"	8,200	171	6	44

Romania

YO9HP	**A**	**3,635,916**	**2991**	**152**	**551**
YR8B	"	835,440	1554	81	273
					(OP: YO8DOH)
YO7FB	"	218,530	880	45	160
YR8D	"	158,155	610	46	189
					(OP: YO8BDQ)
YO5IR	"	49,771	609	11	60
YO9HG	"	34,816	252	28	100
YO9BXC	"	27,810	133	38	65
YO8RIJ	"	11,200	73	32	48
YO4RST	"	9,940	75	22	48
YP3A	**21**	**291,190**	**846**	**35**	**150**
					(OP: YO3XX)
YO5CBX	**14**	**259,120**	**933**	**36**	**122**
YO3JW	**7**	**177,264**	**1032**	**32**	**112**
YO3JOS	"	157,872	882	30	108
YO5KIP	"	85,786	553	23	95
					(OP: YO5OHO)

San Marino

T77C	**A**	**25,877**	**176**	**32**	**81**

Scotland

GM4EVS	**A**	**229,977**	**527**	**49**	**204**
GMØEGI	**"**	**200,790**	**396**	**64**	**227**
GM4UYZ	"	5,394	70	17	45
GM2T	**21**	**85,323**	**492**	**26**	**93**
					(OP: M5FUN)
GM3SEK	**7**	**197,862**	**987**	**32**	**115**
GM5A	**3.5**	**266,541**	**1466**	**27**	**96**
					(OP: MMØCCC)

Serbia

YT5A	**A**	**3,510,340**	**2963**	**148**	**520**
					(OP: YT3W)
YU2FG	**"**	**1,226,046**	**1694**	**99**	**367**
YU9VK	"	691,878	1093	85	278
YT2U	"	164,754	476	52	174
YU1LA	**7**	**950,404**	**2805**	**38**	**158**
YTØA	**"**	**866,745**	**2867**	**37**	**150**
					(OP: YT3WW)
YT1R	"	455,286	1875	37	132
					(OP: YU1UN)
YU7BH	"	321,900	1279	36	138
YUØU	**3.5**	**50,098**	**606**	**12**	**62**
YZ7A	**1.8**	**157,953**	**1181**	**22**	**89**
					(OP: YU7CM)
YT2T	"	97,970	881	20	81

Sicily

IT9GAC	**A**	**496,640**	**682**	**98**	**290**
IT9BLB	**21**	**59,048**	**314**	**30**	**91**
IT9ORA	**7**	**67,210**	**500**	**16**	**78**
IT9ZGY	**1.8**	**61,857**	**629**	**13**	**74**

Slovakia

OM7CW	**A**	**2,429,301**	**2322**	**139**	**470**
OM8AG	**28**	**8,896**	**92**	**14**	**50**
OM3CGN	**21**	**335,040**	**850**	**37**	**155**
OM7PY	**14**	**37,062**	**240**	**17**	**70**
OM5CW	**7**	**22,444**	**110**	**28**	**96**
OM5M	**3.5**	**524,547**	**2002**	**35**	**132**
					(OP: OM2IB)
OMØM	**1.8**	**197,152**	**1179**	**29**	**93**
OM6KW	"	110,642	989	20	78

Slovenia

S57DX	**A**	**3,389,244**	**3102**	**140**	**496**
S59ABC	**"**	**2,859,696**	**3045**	**121**	**383**
					(OP: S51DS)
S58M	**"**	**1,948,032**	**2263**	**120**	**414**
S51AY	"	816,772	1271	89	329
S54O	"	491,130	995	73	248
S51TA	"	367,164	650	68	261
S53FO	"	287,308	524	79	252
S59W	"	181,744	368	69	238
S53APR	"	15,900	120	27	48
					(OP: S55O)
S57EA	"	5,612	103	8	38
S56X	**7**	**561,768**	**2056**	**36**	**142**
S51DX	"	36,490	353	20	69
S57XX	**3.5**	**68,724**	**659**	**13**	**70**
S53O	**1.8**	**139,590**	**1118**	**22**	**88**
S59A	"	28,184	136	22	82

Spain

EA1WX	**A**	**1,228,964**	**1854**	**84**	**290**
EA1DR	**"**	**688,905**	**910**	**88**	**317**
EA5DKU	"	607,807	879	87	310
EA5RS	"	563,248	904	88	288
EB1ISN	"	503,538	1202	62	204
					(OP: EA4SV)
EA3CHZ	"	321,885	666	65	246
EA4KA	"	319,077	639	62	231
AO5W	"	224,128	815	49	157
EA2NN	"	190,841	597	43	156
EA3EJI	"	82,782	219	56	163
EA1CS	"	72,270	449	25	85
EA1JK	"	65,880	188	44	136
EA5EU	"	51,305	264	42	113
EA3GE	"	18,984	134	29	84
EA5AX	"	15,416	141	23	59
EC2AUD	"	7,301	118	12	37
EA7UU	**28**	**2,016**	**40**	**11**	**25**
EA7OT	**21**	**130,338**	**621**	**27**	**90**
EA3KU	**14**	**618,408**	**1793**	**39**	**150**
EA4ZK	"	193,050	670	35	130
EA4BF	"	2,700	55	4	23
EA4KD	**7**	**503,650**	**1564**	**36**	**139**
EA5FID	"	199,746	975	29	108
EA7GV	"	82,915	540	19	84
EA5GS	"	60,781	317	27	106

Sweden

SM6CNN	**A**	**1,593,561**	**1405**	**131**	**516**
SM5D	"	690,650	952	101	374
					(OP: SM5DJZ)
SM6WET	"	385,242	561	92	337
8SØW	"	205,516	426	77	192
					(OP: SMØNJO)
7SØX	"	90,944	295	59	165
					(OP: SMØMDG)
SA1A	"	30,381	195	25	98
					(OP: SM1TDE)
SM5LSM	"	5,658	87	18	51
SI6A	**21**	**27,742**	**118**	**23**	**74**
					(OP: SM6JSM)
SM5FUG	**1.8**	**20,352**	**312**	**10**	**54**

Switzerland

HB9FBS	**3.5**	**75,932**	**824**	**15**	**67**

Ukraine

UY5ZZ	**A**	**1,477,495**	**1816**	**115**	**430**
UR5QA	"	359,693	793	61	222
UT7UJ	"	313,124	450	94	277
UY7C	"	308,352	641	69	223
UR4U	"	42,757	126	61	108
					(OP: UR4UDI)
UT3WX	"	35,075	215	28	87
UT7ET	"	22,673	368	14	65
UU2JQ	"	11,645	57	28	57
UT1IA	**28**	**12,127**	**138**	**14**	**53**
U5WF	**14**	**245,354**	**976**	**29**	**105**
UW5Q	**7**	**720,330**	**2279**	**38**	**157**
UU1CW	"	4,998	76	10	39
UR5E	**1.8**	**16,579**	**244**	**9**	**50**
					(OP: UR5EDX)

OCEANIA

Australia

VK4AN	**21**	**436,494**	**1134**	**34**	**104**
VK1AA	**7**	**641,390**	**1469**	**35**	**120**
VK6DU	"	19,440	170	19	26

Hawaii

AH6NF	14	1,040	22	9	11

Indonesia

YB3MM	**A**	**55,297**	**193**	**41**	**80**
YB3IZK	"	299	21	9	14
YDØNGA	**21**	**11,592**	**98**	**12**	**34**

New Zealand

ZL1BYZ	**A**	**1,361,700**	**1628**	**98**	**202**
ZL2BSJ	**"**	**961,324**	**1392**	**85**	**181**
ZL1TM	"	728,676	769	102	249
ZL4PW	"	568,140	877	94	161
ZL1KMN	"	277,722	492	78	144
ZM3A	**7**	**981,392**	**2073**	**35**	**131**
					(OP: ZL3WW)
ZL2IFB	**3.5**	**202,895**	**642**	**32**	**87**

Palau

T88FY	**A**	**1,900,398**	**2380**	**93**	**189**
					(OP: JK2VOC)

Philippines

DX1M	**A**	**572,443**	**983**	**72**	**139**
					(OP: DL2JRM)
DU1IST	**3.5**	**29,645**	**263**	**17**	**32**

SOUTH AMERICA

Argentina

LW5HBR	**21**	**45,952**	**291**	**19**	**45**

Brazil

PY2WC	**A**	**2,116,575**	**2044**	**119**	**290**
PY2IQ	"	165,600	395	50	110
PY5AKW	"	156,523	342	61	132
PY3OL	"	75,922	195	50	104
PY2MTV	21	9,296	66	19	37
PY2NQ	7	6	1	1	1
PY2EMC	**1.8**	**702**	**19**	**12**	**15**

Chile

CE4CT	**A**	**4,167,392**	**3138**	**120**	**376**
					(OP: XQ4CW)

Colombia

HK3TU	**A**	**166,944**	**490**	**49**	**92**

MULTI-OPERATOR SINGLE TRANSMITTER NORTH AMERICA

United States

K1IR	**4,497,520**	**2651**	**143**	**537**
K2LE/1	**4,092,351**	**2327**	**133**	**520**
W3UA/1	**4,030,332**	**2488**	**126**	**510**
W1HR	2,167,820	1486	116	419
K1KI	1,643,772	1137	118	415
W1FM	181,232	317	62	179
K2QMF	**3,854,796**	**2268**	**123**	**504**
W2ZQ	**2,797,092**	**1793**	**120**	**462**
N2LBR	865,280	782	95	321
N2KPB	630,264	414	78	234
NA2M	164,206	251	78	181
W3BGN	**5,606,054**	**2756**	**153**	**586**
K3MD	**1,827,900**	**1392**	**121**	**419**
W3LJ	328,925	451	74	221
KD3TB	100,800	243	54	146
KT3Y/4	**5,115,558**	**2987**	**138**	**513**
W3GQ/4	**1,437,856**	**1056**	**115**	**409**
K4FK	1,303,400	974	117	415
K4JLD	1,129,240	1002	102	334
AC4TT	405,576	561	84	260
K5NA	**3,301,641**	**1896**	**158**	**571**
K2BA/5	**2,146,716**	**1420**	**137**	**457**
KZ5P	443,625	555	88	237
W7DR/6	**942,456**	**1004**	**119**	**248**
W6YRA	17,384	92	39	43
W7VJ	**1,751,228**	**1474**	**132**	**334**
W9NGA/7	**1,176,020**	**1083**	**122**	**341**
WA7LT	515,242	773	97	201
AF7Y	64,875	177	60	113
K8AZ	**5,251,870**	**2752**	**153**	**557**
K8DO	262,773	432	78	213
WN9O	**1,759,998**	**1193**	**135**	**456**
KG9N	144,333	282	66	137
NØUV	1,764	26	14	22

Alaska

KL7CQ	**319,188**	**1243**	**52**	**82**

Canada

VE2DWA	88,550	295	54	100
VE3HG	**1,956,708**	**1996**	**106**	**346**
VE3YAA	**1,348,620**	**1878**	**90**	**274**
VE3CR	985,251	1108	94	299
VE3MIS	839,342	1192	91	268
VC6S	**1,266,911**	**1838**	**105**	**254**
VE6AO	359,653	971	59	132

Costa Rica

TI5N	**6,617,427**	**5361**	**133**	**458**

Jamaica

6Y1V	**10,377,640**	**6148**	**157**	**571**

San Andres/Providencia

5JØA	**5,634,708**	**5288**	**116**	**383**

AFRICA

Seychelles

S79UU	**5,249,490**	**4036**	**113**	**353**

South Africa

ZS1FZ	**819,766**	**1258**	**70**	**181**

ASIA

Asiatic Russia

RT9W	**7,277,550**	**4003**	**144**	**573**
RK9CWA	**4,441,080**	**3139**	**129**	**466**
RK9CWW	**4,415,580**	**2805**	**128**	**484**
RK9AWN	**3,958,722**	**2659**	**127**	**451**
UA9UZZ	3,327,104	2641	122	434
RK9LWA	3,179,232	2115	124	457
RK9CZO	3,052,758	2373	114	405
RU9SWW	2,824,640	2033	115	405
RZ9UWZ	1,094,058	1352	80	262
RU9UZM	915,525	1270	80	245
RK9XWO	893,669	1245	67	234
RK9JWV	872,074	1148	88	246
RK9CXC	602,330	883	77	258
RK9CYA	597,908	954	60	208
RK9SWF	144,705	354	42	123
RZØLWA	**405,426**	**827**	**103**	**191**
RKØAWQ	3,813	61	11	20

China

B3C	**2,427,084**	**2539**	**130**	**356**
B1C	**81,280**	**485**	**60**	**100**

Cyprus

C4N	**17,015,112**	**7468**	**173**	**668**

India

AU1JCB	33,356	138	44	80

Israel

4X6O	**5,785,450**	**4047**	**125**	**425**

Japan

JA2ZJW	**1,519,380**	**1830**	**115**	**230**
JA3YKC	**507,484**	**816**	**99**	**190**
JJ3YBB	219,556	732	43	88
8N7TU	**2,611,710**	**2237**	**147**	**363**
JA8RWU	**2,423,545**	**1952**	**147**	**338**

Qatar

A71EM	**7,077,674**	**4285**	**150**	**524**

Vietnam

3W3W	**954,246**	**1566**	**85**	**229**

EUROPE

Belarus

EW8ZO	**84,040**	**359**	**45**	**146**
EW2ZC	1,410	31	7	10
EW8ZZ	736	23	13	19

Belgium

OT5P	**1,397,872**	**2458**	**94**	**298**

Bosnia-Herzegovina

T93M	**7,762,080**	**5185**	**170**	**654**

Bulgaria

LZ1ABC	**389,576**	**1000**	**53**	**180**
LZ1KSC	85,284	799	19	73

Croatia

9A7A	**10,575,896**	**6165**	**177**	**727**
9A1P	**9,331,833**	**5627**	**181**	**708**
9A8M	1,559,481	2159	108	363

Czech Republic

OK5W	**6,958,925**	**4207**	**175**	**690**
OL7R	**6,502,752**	**4370**	**161**	**643**
OL3Z	**6,036,642**	**4466**	**156**	**566**
OL1C	3,366,384	3210	126	476
OL7T	1,582,002	2087	107	430
OK6DX	1,222,175	1585	104	371
OL2U	681,274	1477	71	275
OL2A	194,740	528	55	159

Denmark

5P3WW	**2,271,032**	**3161**	**113**	**423**

England

G5W	**6,322,806**	**4502**	**153**	**621**
G6PZ	**5,893,052**	**4423**	**146**	**591**
G5XV	893,741	2157	70	253
M2T	14,694	137	28	65
M5T	5,668	133	34	75

European Russia

RT6A	**6,063,980**	**4685**	**169**	**661**
RL3A	**5,758,932**	**4325**	**168**	**654**
RT4M	**4,333,496**	**3436**	**157**	**582**
UA3R	2,904,600	3472	134	484
RK3QWW	2,267,460	2628	129	483
RW3WWW	2,073,890	2569	130	472
RT4D	1,890,800	2361	126	454
RK3QWM	721,305	1247	98	313
RK3DXS	466,823	929	74	269
RK3RWA	445,280	965	84	268
RK3DZF	357,889	808	71	230
RK4HYT	213,030	642	56	207
RZ3AWM	90,270	466	37	133
RK3AWK	41,118	286	32	122
RK3FWE	22,458	82	44	70

Finland

OF4A	**3,433,430**	**3308**	**152**	**534**
OF6M	**1,814,067**	**2231**	**116**	**455**
OH4XX	**1,160,397**	**1582**	**108**	**381**
OH2BJ	236,402	896	68	221

France

TM2Y	**6,564,192**	**4371**	**169**	**639**
TM2S	**4,848,102**	**3828**	**144**	**562**
TM4Q	**4,233,255**	**3830**	**139**	**524**
F6KNB	2,337,270	2809	108	353

Germany

DP4T	**6,465,756**	**4260**	**167**	**636**
DF3CB	**5,032,102**	**3296**	**162**	**637**
DR4A	**3,839,238**	**3239**	**157**	**545**
DP9A	3,215,788	2846	145	577
DA3A	2,825,104	2704	118	439
DR5N	2,105,075	2283	127	448
DL4WA	1,418,162	1770	108	413
DKØMN	1,043,860	1505	93	317
DF5RF	888,160	1414	98	357
DM5A	284,992	633	65	227

Greece

J42WT	**636,230**	**1553**	**72**	**226**

Hungary

HG1S	**7,654,339**	**5012**	**167**	**680**
HG6N	**6,822,816**	**4397**	**171**	**681**
HG6M	3,068,000	2899	146	504
HA6KZS	84,960	456	35	125

Iceland

TF4M	**819,322**	**1965**	**54**	**247**

Italy

IR4M	**6,935,280**	**4371**	**169**	**645**
IC8R	**3,311,790**	**3550**	**131**	**475**
IQ2LS	220,446	586	56	166

Kaliningrad

RW2F	**7,232,223**	**4936**	**174**	**683**

Latvia

YL1S	**648,969**	**1063**	**95**	**316**

Netherlands

PI4ZOD	28,290	240	30	93

Norway

LN8W	**4,280,736**	**3803**	**150**	**581**
LN3Z	**3,252,308**	**3279**	**137**	**540**

Poland

SO9Q	**3,955,566**	**3095**	**141**	**557**
SP7POS	**2,925,819**	**2553**	**143**	**520**
SN2K	**2,779,650**	**2317**	**151**	**559**
SN3T	854,742	1375	95	338
SN1I	357,294	868	73	256
SP9ZHR	351,946	695	68	254
SP9KRT	252,510	723	61	224

Romania

YR1C	**2,726,783**	**3673**	**117**	**376**

Scotland

MMØGPZ	**374,402**	**973**	**66**	**263**
MMØDWF	92,555	410	35	138

Serbia

YU7W	**565,995**	**1458**	**73**	**218**

Slovakia

OM8A	**10,127,145**	**5852**	**178**	**725**
OM7M	**8,529,392**	**5045**	**182**	**705**
OM3KWZ	937,344	1687	79	305
OM3KTP	240	19	3	13

Slovenia

S5ØG	**5,930,779**	**3968**	**160**	**649**

Spain

EA4OA	**288,530**	**762**	**72**	**233**

Sweden

7S2E	**2,614,704**	**3006**	**117**	**447**
SK3BG	33,535	180	24	71

Switzerland

HB9CIP	**2,138,292**	**2911**	**100**	**368**

Ukraine

UZ2M	**7,123,680**	**5057**	**178**	**695**
UT7L	**3,729,024**	**3300**	**156**	**591**
UT9FJ	2,241,577	2265	134	507
UW4E	1,218,228	1666	107	377
UTØAZA	1,148,206	1903	104	354
UWØL	543,486	984	86	293
UR6EO	199,000	594	61	189
UX4E	164,480	450	65	192
UR4PWC	4,720	55	10	26

OCEANIA

Guam

AH2R	**7,737,360**	**4461**	**167**	**451**

Hawaii

KH6MB	**2,094,944**	**2816**	**108**	**164**

New Zealand

ZL2AGY	**529,728**	**837**	**89**	**159**

SOUTH AMERICA

Argentina

LU1DK	**4,095,154**	**3040**	**135**	**376**
LU8YE	**2,495,625**	**2562**	**109**	**266**
AY7X	327,385	798	59	146

Brazil

PS2T	**14,239,493**	**6188**	**177**	**640**
ZY7C	**9,593,955**	**5318**	**151**	**536**
ZX3S	1,813,556	1791	107	297
PQ8KL	7,590	69	27	39

Uruguay

CX5BW	**6,995,640**	**4404**	**152**	**449**

MULTI-OPERATOR TWO TRANSMITTER NORTH AMERICA

United States

K1AR	**9,665,362**	**4599**	**163**	**631**
K1RX	**5,841,844**	**3294**	**150**	**566**
KØTV/1	4,633,848	2699	134	514
K2AX	**3,164,980**	**2050**	**128**	**483**
W2CG	**2,377,817**	**1595**	**121**	**456**
W2YC	2,047,908	1432	129	499
K2UA	1,259,190	930	114	396
N3RS	**10,871,328**	**5139**	**164**	**642**
WE3C	**9,374,886**	**4558**	**152**	**610**
NE3F	2,268,408	1709	119	445
K3DI	931,385	792	103	342
NY4A	**8,377,544**	**4498**	**143**	**566**
AI6V	**2,485,161**	**2151**	**137**	**350**
W6OAT	545,514	600	116	286
W7RN	**3,632,970**	**2701**	**151**	**394**
WC8VOA	**85,554**	**233**	**58**	**136**
W9MU	**881,166**	**790**	**112**	**362**
NØNI	**3,534,195**	**2124**	**150**	**529**
NØIJ/9	**1,502,033**	**1124**	**128**	**431**
KØDXC	46,452	163	52	106

Canada

VE7SV	**4,425,987**	**4361**	**133**	**338**
VE7GL	**2,712,406**	**3377**	**113**	**270**

Cayman Islands

ZF1A	**16,198,712**	**9981**	**148**	**564**

Dominican Republic

HI3A	**18,467,722**	**10600**	**160**	**594**

Montserrat

VP2MSC	**3,068,480**	**3340**	**104**	**342**

Turks & Caicos

VP5W	**12,017,160**	**8350**	**139**	**509**

U.S. Virgin Islands

KP2M	**10,082,510**	**7533**	**132**	**458**

AFRICA

Canary Islands

EF8M	**27,660,420**	**11849**	**171**	**678**

Cape Verde

D4C	**23,954,832**	**10894**	**161**	**631**

Madeira Islands

CT9L	**17,428,866**	**8836**	**146**	**553**

ASIA

Asiatic Russia

RK9CWB	1,485	23	9	18

China

B7P	**4,219,101**	**4036**	**134**	**375**
B4B	**420,510**	**1149**	**75**	**139**

Cyprus

P3F	**20,468,448**	**9377**	**163**	**629**

Japan

JA1YPA	**1,461,513**	**1914**	**104**	**217**
JR1CBC	1,073,189	1229	127	276
JA6ZPR	**1,026,033**	**1139**	**121**	**260**

Thailand

HSØAC	**1,456,320**	**1802**	**125**	**319**

EUROPE

Balearic Islands

EA6IB	**14,179,922**	**9632**	**173**	**684**

Bosnia-Herzegovina

T93J	**9,674,577**	**6625**	**184**	**685**

Denmark

OZ5E	**3,729,890**	**3891**	**138**	**532**

England

G5O	**2,985,462**	**3609**	**117**	**432**

European Russia

RU1A	**9,424,382**	**6342**	**185**	**701**
RK4WWF	1,312,850	2398	91	343

Finland

OF5Z	**4,856,088**	**4700**	**153**	**579**

France

F5ODA	**905,160**	**1976**	**94**	**286**

Germany

DQ4W	**6,634,400**	**4719**	**165**	**635**
DLØCS	**5,440,680**	**4373**	**157**	**608**
DLØAO	4,405,220	3297	149	591
DKØED	1,457,064	1798	103	401
DLØWH	476,280	727	88	290

Italy

IR4X	**12,704,006**	**7316**	**179**	**719**

Jersey

GJ2A	**4,866,763**	**4736**	**134**	**537**

Luxembourg

LX7I	**8,286,410**	**6294**	**159**	**622**

Macedonia

Z37M	**8,601,198**	**6931**	**167**	**619**

Norway

LA8G	101,702	297	52	189

Portugal

CS5NRA	**388,877**	**1545**	**48**	**185**

Serbia

YU1ARC	**2,287,190**	**2795**	**118**	**403**

Slovenia

S52ZW	**5,803,138**	**4594**	**159**	**578**

Spain

EE2W	**8,790,136**	**7113**	**158**	**575**
AM5R	**5,387,556**	**5422**	**134**	**502**

Sweden

SK6M	**4,722,525**	**4643**	**144**	**551**

Switzerland

HB9CT	**6,621,460**	**5488**	**146**	**564**

Wales

GWØGEI	**2,228,490**	**3123**	**100**	**395**

OCEANIA

Hawaii

KH6LC	**8,379,000**	**6341**	**155**	**320**

Philippines

DX1DBT	157,200	525	45	75

South Cook Islands

E51A	**5,968,604**	**5452**	**140**	**248**

SOUTH AMERICA

Argentina

LT1F	**11,817,362**	**6588**	**161**	**501**

Galapagos Islands

HC8N	**28,736,800**	**11915**	**181**	**669**

Netherlands Antilles

PJ2T	**20,759,622**	**9741**	**160**	**607**
PJ4A	**20,715,138**	**10165**	**152**	**575**

MULTI-OPERATOR MULTI-TRANSMITTER NORTH AMERICA

United States

W3LPL	**13,939,191**	**6322**	**175**	**698**
K3LR	**13,247,624**	**5782**	**179**	**705**
KC1XX	**12,761,902**	**5982**	**171**	**667**
NQ4I	**9,702,672**	**4969**	**167**	**637**
K1TTT	**9,144,404**	**4583**	**162**	**640**
W2FU	**7,830,540**	**4043**	**156**	**609**
NR4M	**6,930,000**	**3770**	**158**	**592**
W3PP	6,239,482	3436	145	574
K5GO	**6,150,760**	**3566**	**163**	**607**
KB1H	6,083,392	3324	151	583
W4MYA	**5,742,647**	**3027**	**153**	**590**
KØRF	**5,443,026**	**3059**	**170**	**561**
W8AV	**3,747,769**	**2226**	**147**	**550**
N6RO	**3,554,880**	**3155**	**155**	**405**
WØAIH/9	**2,350,135**	**1701**	**145**	**490**
KD1EU	1,583,225	1234	116	429
W6UE	266,500	451	82	178

Canada

VE7UF	**1,935,594**	**2411**	**106**	**276**

Grenada

J3A	**15,100,800**	**9690**	**151**	**553**

AFRICA

Canary Islands

ED8A	**18,146,604**	**9296**	**147**	**551**

Guinea

3X5A	**36,547,280**	**14642**	**181**	**699**

ASIA

Asiatic Russia

RWØA	**4,938,228**	**3913**	**142**	**470**

China

B1Z	**4,441,444**	**4743**	**135**	**373**

Japan

JA5FDJ	**10,362,375**	**5473**	**186**	**569**
JA3YBK	**9,627,104**	**5147**	**181**	**571**

EUROPE

Austria

OE2S	**7,640,938**	**6032**	**164**	**654**

Bulgaria

LZ9W	**16,177,421**	**10816**	**186**	**737**

European Russia

RK4FWX	**812,040**	**1673**	**82**	**253**

Finland

OF2BAH	**1,236,663**	**1705**	**104**	**335**

Germany

DFØHQ	**13,115,189**	**8694**	**181**	**756**
DR1A	**11,909,092**	**7901**	**176**	**716**
DK3W	1,283,927	1552	100	399

Lithuania

LY7A	**5,508,506**	**5843**	**151**	**588**

Netherlands

PI4ZI	29,356	266	36	128

Sweden

SK3W	**6,449,720**	**5778**	**156**	**610**

Ukraine

UV2L	**1,484,850**	**2264**	**116**	**405**

OCEANIA

Australia

VK2ATZ	**2,231,704**	**2498**	**102**	**230**

Hawaii

KH7X	**11,469,537**	**7127**	**178**	**413**

CHECK LOGS

The following logs were used as check logs. Check logs are always appreciated: 4Z5MU, 4Z8DT, AB3AI, BD3BSV, DD5KG, DF9KF, DH5MM, DJ3RA, DK3RED, DL9XM, DL1DUO, DL1KLO, DL1LRA, DL1RNT, DL1VRL, DL2WRJ, DL4SVA, DL6AP, DL6DSA, DL7HT, DL7VAF, DL7VBJ, DL8WBB, EA2RU, EA7GBD, EW3WO, GØKDZ, G3RWL, G3UHU, HA1SN, HB9EP, HSØGBI, J45KLN, JAØHC, JA3YPL, JY4NE, K2QD , K4DXU, K9MI, KJ6YK, LA4NE, LA4RT, LA8HGA, LA9Z, LY2BNL, LY3BY, LZ2RS, NØFW, N1NN, N5AU, N5ESA, N7UA, N9LF, N9SF, NN3W, NX2PX/W4, OGØZ, OHØMM, OH1PY, OH2BAI, OH3WD, OH5PT, OK1DMP, OK1DSU, OK1KT, OK1KW, OK2BDF, OK2SG, OK7RJ, OL5Q, OM4F, ON7SS, OZ1TL, OZ7YL, PAØRBO, PHØAS, RA4HO, RA4NAJ, RA4UVK, RA6FV, RK3SWB, RL3DF, RL3WX, RL3ZZ, RN3AKK, RN6FK, RU1AT, RU6DI, RU6YY, RV3FU, RV3PN, RWØBG, RW3CW, RW6AF, RX6AY, RX9WN, RZØAF, RZ3DSN, RZ3FW, SF7WT, SJ4F, SK5PZ, SM5APS, SM5ENX, SM5GMZ, SM6BSK, SP1DMD, SP2EXE, SP2FOV, SP3AMZ, SP4GDC, SP4KDX, SP5ELM, SP5ICS, SP6CZ, SP7CVW, SP7FGA, SP7GAQ, SP7JLH, SP7XK, SP8AJK, SP8HKT, SP9CVY, SQ1BVG, SQ2DYL, SQ2GXO, SQ6MS, UA1AKE, UA1AUW, UA1OM, UA2FT, UA3AVR, UA3MNB, UA4NU, UA4WLI, UA9CCL, UA9CEP, UA9JJG, UA9MD, UN7TS, UT1IWA, UT3NF, UT7WZ, UT8LO, UUØJC, UV3RT, UW7W, UX1IL, W5ZH, WS4C, YL2PJ, YL2TD, YO2GL, YO3FF, YO4AB, YO4DIJ, YO6LV.