Results of the 2007 CQ WW RTTY DX Contest

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The 21st annual CQ WW RTTY DX Contest was held September 29–30, 2007 with another record number of entries, this time totaling 1778 logs (up from 1565, or nearly 14%, from 2006), the largest number of logs ever submitted for a RTTY contest. Entries were received from 118 countries and six continents. Total QSOs increased from 615,000 to more than 740,000, and more than 16,000 unique calls were recorded by the log checkers. The most used logging program this time in the contest was N1MM Logger, and the second most used was Writelog. When used correctly, both of these programs produce good Cabrillo-format logs for the robot and for the log checkers.

While the solar flux was only 67 for the weekend, that number essentially marked the end of solar Cycle 23, as NOAA previously predicted (*CQ,* May 2007, p. 22), with solar Cycle 24 subsequently starting in January 2008 (see *CQ*, March 2008, pp. 4, 101) for details). Note that the predicted peak for Cycle 24 is 2011–2012. Those who hope to set decade-long records should take note. In the meantime, the level of activity continues to increase faster than the rate of decline in now past Cycle 23. Indeed, this year saw one of the oldest records in this contest—Multi-Single All Band High Africa, set in 1996 by the TY1RY (Benin) team led by the old RTTY war horse, Eddie, GØAZT—finally broken by the great new team of D4C (Cape Verde), which moved the bar from the old score of 2,732,506 points to the new MS High Africa record of 4,857,263 points. For more news on big scores from Africa in several classes, see the details for each class in the following paragraphs.

Given the steady year-over-year increase in RTTY contesting activity, we see the major bands being filled more and more outside of the traditional 15–30 kHz spread on each band. On 80 meters, activity now seems to gravitate around 3570–3600 kHz (note that in the U.S., RTTY is no longer permitted above 3600 kHz), with excursions down to 3520–3525 to accommodate the JA band plan. On 40 meters, activity now ranges from 7025 (remember the JA band plan at 7025–7030 kHz) to 7080 kHz, or up to 7100 kHz in North America. Note that above around 7070 kHz, broadcast stations dominate the band in Europe. On 20 meters, activity ranges all the way from 14055 to at least 14125 kHz, but note that the JA band plan ends at 14112 kHz. The spreads on 15 and 10 meters recently have not been as wide because the solar flux has been low, but one can expect to see 200-kHz spreads on those bands as the solar flux rises in Cycle 24.

Serge, FO5PS, operated single op, 20 meters from Tahiti.

While these are great and inevitable reflections of annually increasing RTTY contesting activity, we should be mindful of the activities that are fixed on certain frequencies on each band and try to avoid those frequencies. As I noted last year, an important example is the NCDXF/IARU beacons that are located worldwide on 14100. These beacons are, in fact, a good tool for you to see what areas are open to your location at any time of the day—and particularly what areas may just be opening but not yet recognized by local operators. The beacons operate at low power and are easily overwhelmed by any RTTY operation on frequency. For details look at <www.ncdxf.org/beacons.html>. The NCDXF/IARU beacons on 15 meters and 10 meters are located at 21150 kHz and 28200 kHz, relatively higher in each band, but still potentially within the portion of each band where RTTY contesting occurs.

Other frequencies worth avoiding to maintain good relations with our fellow hams are the QRP calling frequencies, located at 14060, 21060, and 28060 kHz. Again, the low-power nature of these operations makes competition with RTTY signals very difficult for them.

Single Operator

Single-Op All Band High Power. The top two scores this year in SOH were both achieved in Africa, with stations located in the Canary Islands. The world champion was EF8M (op: RD3AF), who scored 6,537,842 points (3,517 QSOs, 622 mults), a score substantially higher than the best in 2006, and second only to the 2003 SOH World and Africa record set by D4B (op: EY8MM). In world second place was AO8X (op: EA8AUW), who scored 3,496,992 points. Repeating in world third place was Tyler, K3MM, who scored 2,771,952 points.

Single-Op All Band Assisted. This year Europe was displaced from its leadership in SOA by two South American stations. Winning the world was the 2004 SOA South America champion Wanderley, ZX2B (PY2MNL), who set a new world record with

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a score of 3,935,424 points (2,228 QSOs, 597 mults). Next was LTØH (op: LU3HY), who scored 2,407,416 points. Europe then appeared in world third with EA5RM scoring 2,217,435 points.

Single-Op All Band Low Power. Unlike SOH and SOA scores, which increased in 2007 over 2006, SOL scores decreased overall again in 2007 as they did in 2006, showing that power becomes relatively more important at the bottom of a solar cycle. Here the Dominican Republic station of HI3T (op: HI3TEJ)—close to the U.S. but well-positioned to work Europe—won the world with a score of 2,194,803 points (1,872 QSOs, 481 mults). The well-known African contester, Mohamed. CN8KD, operating as 5C5W, was world second, scoring 2,058,575 points. Mohamed was also SOL world second in 2005 and world third in 2006. Another Caribbean station, WP3C, won world third with 1,432,284 points.

Single-Op 10M. Continuing as world 10-meter champ, John, LU1HF, scored 118,085 points (360 QSOs, 113 mults). LQ5H was in second place with 31,850 points, while LW1HR scored 18,408 points for third.

Single-Op 15M. Fifteen meters scores continued in the doldrums this time as world-wide MUF (maximum usable frequency) continued to decrease for most of the daytime. This year LS1D (op: LW9EOC) won the world with a score of 493,614 points (1,033 QSOs, 162 mults). In world second was LU7HN, scoring 403,155 points. NP2/AK2P won world third with a score of 193,233 points.

Single-Op 20M. As on the higher frequencies, 14 MHz scores slid somewhat this time, after having had new world records established for three years in a row. The winner, 9A5W, came close to his 2006 world record score of 868,020 points, with a performance this year of 840,274 points (1,625 QSOs, 206 mults). In world second, TM7XX (op: F5MUX) scored 726,705 points, while LY2IJ won world third with a score of 625,037 points.

Single-Op 40M. Although we might have expected 40 meters to set a new world record at the bottom of the solar cycle, new area records were set, but the top scores were not quite as high as in 2006. The 2005 world winner, 7XØRY, set a new Africa record this year with a score of 547,128 points (1,196 QSOs, 153 mults), a very good score but just short of S57AW's world record. KP2/NP3D (op: EW1AR) set a new North America 40-meter record, scoring 481,650 (1,156 QSOs, 169 mults), substantially higher than the previous record established in 2006. From Europe, I4IKW won world third with a score of 476,432 points. Other new area records were set by KH6ND (OC: 395,012 points) and WW4LL (USA: 289,782 points).

Single-Op 80M. Here, finally, the low solar flux paid off, with the top five finishers, all in Europe, exceeding last year's world record. The new 80-meter world record holder and world champion is now S57AW, who scored 255,375 points (946 QSOs, 125 mults). The previous world record holder and multi-year 80-meter champion, Tone, S54E, scored 246,078 points (895 QSOs, 126 mults). The next three places, all exceeding the previous world record were OL6X with 238,833 points, IQ1RY (op: IK1HXN) with 205,335 points, SO4M (op: SP4MPG) with 197,084 points. This was a great and close competition by some very fine operators.

Important On-Line Resources

To prepare for the 2008 contest, please refer to the following on-line resources:
Contest rules: <www.cq-amateur-radio.com>
Contest records: <www.rttycontesting.com>
Cabrillo specifications: <www.kkn.net/~trey/cabrillo/spec.html>
Cabrillo template for this contest: <www.kkn.net/~trey/cabrillo/cqww-rtty.txt>
Log preparation tips: <www.i2uiy.it/cqww.html>
Log Submissions: <rtty@cqww.com>
List of logs received: <www.cqwwrtty.com/logs-received-rtty.htm>. This site will be expanded throughout the year to include more CQ WW RTTY information.

Multi-Operator

Multi-Op Single Transmitter All Band High Power. The unique rules of the RTTY Multi-Operator Single Transmitter class, encouraging the use of a run station and a multiplier station, continues to produce a large number of entries every year, particularly from European stations. As noted above, D4C (ops: YL2KF, YL2KL) set a new MOH Africa record with a score of 4,857,263 points (2,747 QSOs, 593 mults). Another Africa station, CT9L (ops: DJ3NG, DJ6QT, DJ8NK, DL1YFF) was world second, scoring 3,954,717 points and also substantially exceeding the old Africa record. IK4MGP (ops: IK3QAR, I4IFL, IK4DCW, IK4HVR, IK4MGP, IK4WMH, IZ3ESV) came in third with a score of 3,745,764 points.

Multi-Op Single Transmitter All Band Low Power. Unlike MOH, the MOL results continued their downward trend, much like the results in SOL. With no sunspots, low power is a tough way to compete. The winner was HG5A (ops: HA5IW, HA5NB, HA1WD, Kiss, Tibor), which scored 1,153,826 points (1,419 QSOs, 359 mults). World second was RZ4HZW (ops: RA4HVX, RN4HBU), scoring 908,742 points. In third place was 9A7T (ops: 9A2EU, 9A2NO, 9A4KJ, 9A5MR, 9A6JLM) with a score of 809,750 points.

Multi-Op Two Transmitter. As has been the case since 2000, the MO2 class winner has been the highest scoring station in CQ WW RTTY. This year HC8N (ops: K6AW, W6OTC, WØYK) returned to first place, scoring 8,910,888 points (4,243 QSOs, 708 mults). World second was OM8A (ops: OM2VL, OM2KW, OM3RM, OM7JG, 9A7R, 9A6D) with 4,715,712 points. In world third, with many of the same team members who operated as Z37M last year, was Z360M (ops: Z31MM, Z32ID, Z33F, Z35T, Z36W, Aleksandra, Roberto), which scored 3,518,916 points. The European MO2 champion, RU1A, was world fourth with 3,004,400 points, and the North American MO2 champion, KI1G, was world fifth with 2,561,048 points.

Multi-Op Multi-Transmitter. Top scores in MOM continued to grow this time, with another new Africa record being set. Here, CT9M (ops: CT3BD, CT3DL, CT3DZ, CT3EE, CT3EN, CT3IA, CT3KU, CT3KY) scored 7,304,544 points (3,916 QSOs, 624 mults). Repeating in world second was UU7J (ops: UUØJM, UU1AZ, UU4JMG, UU8JK, UT5UGR, UT9NA, UR5NX, UT4ZX, UT9FJ, UR5FEO, UTØFT, UR5FEL, UTØFF, UR5FJA), scoring 6,073,380 points. World third was 4O3A (ops: IV3IYH, IV3TMV, IV3YWT, S50XX, S50YL, S52X, S55O, S57MM, YU1YV, 4O3A, 4O4A, 4O6Z), which scored 5,970,745 points.

Clubs

After a great start last year, the club competition expanded both in number of clubs represented (51 valid entries) and awards. The PVRC (Potomac Valley Radio Club)-sponsored club-competition plaque became the world championship plaque, and a new plaque, sponsored by the Northern California Contest Club, was created as the North American championship plaque. We invite other clubs to sponsor plaques for other continents and/or countries. If your club is interested, contact Mike, K4GMH (k4gmh@arrl.net), chairman of the plaque program for CQ WW RTTY and for CQ WPX RTTY.

This time, the first three entries all surpassed the score of the 2006 winner. But remaining victorious for the second year running, the Bavarian Contest Club increased its score to 13,005,211 points, almost 2-million more points than in 2006. In second place was the Northern California Contest Club, scoring 11,915,746 points, about 2.5-million more points than in 2006. Within an eyelash of the NCCC score, the Yankee Clipper Contest Club was third, with a score of 11,802,066 points, an impressive increase of more than 3.5-million points over 2006. The Potomac Valley Radio Club increased its score by almost 1-million points, but dropped from third place to fourth with a score of 9,803,782 points. Finishing out the top 5, the Rhein Ruhr DX Association scored 9,046,600 points.

Note: Those of you who are eligible and who choose to designate a club affiliation should write the **full name of the club** on the appropriate line of your Cabrillo header.

Summary

CQ WW DX RTTY has now completed its 21st year, two solar cycles, with activity

2007 CQ WW RTTY CONTEST PLAQUE SPONSORS AND WINNERS

Single Operator High Power

World: Sponsored by John Orton, WA6BOB. **Winner: EF8M (op: Valery Komarov, RD3AF).**
N. A.: Sponsored by Wayne King, N2WK. **Winner: Tyler Stewart, K3MM.**
Oceania: Sponsored by Steve, (Sid) Ceasar, NH7C. **Winner: Massimo Zenobi, KH6ZM.**
Europe: Sponsored by Andrei Stchislenok, EW1AR-NP3D, (in memory of EU1MM). **Winner: EO5M (op: Roman Tkachenko, URØMC).**
S. A.: Sponsored by Radio Club Cordoba, LU4HH, and Juan Fedelich, **LU3HY. Winner: Juan Pablo Mercé, LU4DX.**
Asia: Sponsored by Darrell Penrod, K9MUG. **Winner: Vadim Ovsyannikov, UA9CLB**.
U.S.A.: Sponsored by Joseph Young, W6RLL. **Winner: Dennis Egan, W1UE.**
Canada: Sponsored by Scott Nichols, VE1OP. **Winner: Yuri Onipko, VE3DZ.**

Single Operator Low Power

World: Sponsored by Don Hill, AA5AU. **Winner: HI3T (op: Ted Jimenez, HI3TEJ).**
N. A.: Joseph Young, W6RLL. **Winner: Alfredo Velez, WP3C.**
S. A.: Sponsored by Trey Garlough, N5KO. **Winner: Aldo Bajlo, YV5AAX.**
Europe: Sponsored by George Johnson, W1ZT. **Winner: Oscar Luis Fernandez Lanza, EA1DR.**
Asia: Sponsored by Jim Reisert, AD1C. **Winner: Sulaiman Saad Aljedaie, 7Z1SJ**.
Oceania: Sponsored by Doug Faunt, N6TQS. **Winner: Imam Raharjo, YB4IR.**
U.S.A.: Sponsored by George Johnson, W1ZT**. Winner: Don Hill, AA5AU.**

Single Operator Assisted

World: Sponsored by Mike Sims, K4GMH. **Winner: ZX2B (op: Wanderley Ferreira Gomes, PY2MNL)**.
N. A.: George Marsloff, K4GM. **Winner: Mike Sims, K4GMH.**
U.S.A.: Tyler Stewart, K3MM,. **Winner: Jerry Rosalius, WB9Z.**

Single Operator Single Band

World 28 MHz: Sponsored by Steve Hodgson, ZC4LI. **Winner: John Morandi, LU1HF.**
World 21 MHz: Sponsored by Charles Anderson, KK5OQ. **Winner: Silvio Martín, LS1D.**
World 14 MHz: Sponsored by Kenny Young, AB4GG. **Winner: Nikola Percin, 9A5W.**
N.A. 14 MHz: Sponsored by Craig Maxey, AH8DX. **Winner: Craig Maxey, WP2/AH8DX**.
U.S.A. 14 MHz: Sponsored by Arie Surkiss, 4X6UO; Lou Dietrich, N2TU; Chiharu Morita, JA3DLE/1; Steve Hass, WB2ZHB (in memory of Arthur Albert, K2ENT). **Winner: Yuriy Rakushchynets, N2TTA.**
World 7 MHz: Sponsored by Neal Campbell, K3NC**. Winner: Pubal Frantisek, 7XØRY.**
N.A. 7 MHz: Sponsored by Don Reed, K2OGD**. Winner: KP2/NP3D (op: Andrei Stchislenok, EW1AR).**
U.S.A. 7 MHz: Sponsored by Charles Morrison, KI5XP**. Winner: Fred Dennin, WW4LL**.
World 3.5 MHz: Sponsored by Glenn Vinson, W6OTC, **Winner: Robert Bajuk, S57AW.**

Multi-Op Single Transmitter Low Power

World: Sponsored by David Robbins, K1TTT. **Winner: HG5A (ops: HA5IW, HA5NB, HA1WD).**

Multi-Op Single Transmitter High Power

World: Sponsored by Tom Osborne, W7WHY. **Winner: D4C (ops: YL2KF, YL2KL).**

Multi-Op Two Transmitter

World: Sponsored by Ed Muns, WØYK. **Winner: HC8N (ops: W6OTC, K6AW, WØYK).**
N. A.: Steve Merchant, K6AW. **Winner: KI1G (ops: KI1G, NG1G, N1HRA, WF1B, W1AN, K1ATA).**

Multi-Op Multi-Transmitter

World: Sponsored by KA4RRU RTTY Team. **Winner: CT9M (ops: CT3BD, CT3DL, CT3DZ, CT3EE, CT3EN, CT3IA, CT3KU, CT3KY).**

Club Competition

World: Sponsored by the Potomac Valley Radio Club. **Winner: Bavarian Contest Club (DL).**
N.A.: Sponsored by the Northern California Contest Club. **Winner: Northern California Contest Club.**

increasing dramatically year by year. We may well reach the 2,000 log milestone in 2008.

Please remember that while the popular RTTY logging programs and others allow one to submit a log very quickly after the contest, they do not necessarily produce an accurate Cabrillo-formatted log. Accordingly, you will usually find it worthwhile to review your log to correct obvious errors—*and* to refer to Paolo's www site for his tips on preparing your log: <www.i2uiy.it/cqww.html>.

To check all-time CQ WW RTTY Records, look at <www.rttycontesting.com>**,** maintained by Don, AA5AU. For comments by participants, see the QRM below (with expanded QRM and a list of ops of multi stations on the cq website: <www.cq-amateur-radio.com>.

We generally have succeeded in converting RTTY contesters to submitting their logs electronically, with all logs now submitted via e-mail to <rtty@cqww.com>. However, because the participation in this contest continues to grow so rapidly, some newer participants neglect to note that the *rules for this contest require recording the received state/province and zone information and submitting the log in proper Cabrillo format.* If the submitted log does not include all of

(Continued on page 107)

TOP SCORES

Single Op High Power

EF8M (op: RD3AF)	6,537,842	UA9CLB	2,431,500
AO8X (op: EA8AUW)	3,496,992	W1UE	2,242,500
K3MM	2,771,952		

Single Op Low Power

HI3T (op: HI3TEJ)	2,194,803	EA1DR	1,160,148
5C5W (op: CN8KD)	2,058,575	7Z1SJ	1,050,940
WP3C	1,432,284		

Single Op Assisted

ZX2B (op: PY2MNL)	3,935,424	RZ3AZ	2,173,314
LTØH (op: LU3HY)	2,407,416	GM5A (op: GM4FDM)	1,722,252
EA5RM	2,217,435		

Multi-Op Single Transmitter High Power

D4C	4,857,263	T93M	3,308,618
CT9L	3,954,717	HG1S	3,179,914
IK4MGP	3,745,764		

Multi-Op Single Transmitter Low Power

HG5A	1,153,826	TI1R	754,972
RZ4HZW	908,742	EB2CZI	683,162
9A7T	809,750		

Multi-Op Two Transmitter

HC8N	8,910,888	RU1A	3,004,400
OM8A	4,715,712	KI1G	2,561,048
Z360M	3,518,916		

Multi-Op Multi-Transmitter

CT9M	7,304,544	K1TTT	2,942,632
UU7J	6,073,380	DR1A	2,384,641
4O3A	5,970,745		

Single Op

3.5 MHz

S57AW	255,375	IQ1RY (op: IK1HXN)	205,335
S54E	246,078	SO4M (op: SP4MPG)	197,084
OL6X (op: OK1DIG)	238,833		

7.0 MHz

7XØRY	547,128	KH6ND	395,012
KP2/NP3D (op: EW1AR)	481,650	UT2II	360,286
I4IKW	476,432		

14 MHz

9A5W	840,274	ZC4LI	623,840
TM7XX (op: F5MUX)	726,705	ZV5R/1	506,324
LY2IJ	625,037		

21 MHz

LS1D (op: LW9EOC)	493,614	PR5Z (op: PY5ZHP)	160,401
LU7HN	403,155	D2NX (op: JM1CAX)	92,560
NP2/AK2P	193,233		

28 MHz

LU1HF	118,085	CT1AOZ	7,168
LQ5H	31,850	F8DBF	6,358
LW1HR	18,408		

RTTY Results (*from page 16)*

the critical exchange data (including zones, states, provinces) from the raw log, the log-checkers can do little to salvage the log. Accordingly, please carefully follow the instructions in your logging software (or your Cabrillo-conversion program) to be sure that all of the required fields have been included in your final log before submitting it to the robot. Also remember to *read carefully any error message from the robot. The required language in the headers is precise and noted in each category as shown above—not simply anything you or your logging program decide to put there.* Those errors are the most prevalent in the logs that required some editing by I2UIY, N5KO, and I2EOW. In addition, Paulo and I2EOW converted many non-Cabrillo logs to Cabrillo format prior to their being submitted into the master log-checking process. As in prior years, we received a large number of check logs, which were very helpful for log-checking. Thanks to all who submitted these logs.

The 2008 CQWW RTTY Contest

The 22nd annual CQWW RTTY Contest will be run on September 27–28, 2008. *Please note that Cabrillo-format logs are highly encouraged for all entrants, with e-logs required from all potential high-scoring entrants in any category. Also, any computer-generated log with more than 50 contacts must be submitted via e-mail or on a 3.5-inch diskette via snail mail.* For those who submit diskettes, please remember to send the diskettes in a protective envelope. E-mail is clearly the most reliable and easiest method for log submissions, but we welcome all logs, including (subject to the restrictions described above) paper logs, no matter how they may be sent. Finally, the deadline for log submissions is October 24, 2008. The full text of the 2008 rules will be published in the July issue of *CQ* and on the *CQ* website (www.cq-amateur-radio.com). *Please read the rules carefully prior to the contest,* and please note that all logs submitted via e-mail go to <rtty@cqww.com>.

73, Glenn, W6OTC, and Paolo, I2UIY

CLUB COMPETITION

BAVARIAN CONTEST CLUB (DL)	13,005,211
NORTHERN CALIFORNIA CONTEST CLUB	11,915,746
YANKEE CLIPPER CONTEST CLUB	11,802,066
POTOMAC VALLEY RADIO CLUB	9,803,782
RHEIN RUHR DX ASSIOCIATION (DL)	9,046,600
SKY CONTEST CLUB (YU)	8,154,699
LU CONTEST GROUP	6,629,098
FLORIDA CONTEST GROUP	6,070,283
CONTEST CLUB ONTARIO (VE3)	5,724,388
HADXC (HA)	5,712,110
URAL CONTEST GROUP (UA9)	4,609,537
UKRAINIAN CONTEST CLUB (UR)	3,971,064
FRANKFORD RADIO CLUB	3,802,041
KIEV CONTEST GROUP (UR)	3,085,349
LATVIAN CONTEST CLUB (YL)	2,981,679
CONTEST CLUB FINLAND (OH)	2,920,851
CTRI CONTEST GROUP	2,673,775
ALABAMA CONTEST GROUP	2,570,869
TENNESSEE CONTEST GROUP	2,225,422
CROATIAN CONTEST CLUB (9A)	2,002,698
MARITIME CONTEST CLUB (VE1)	1,823,519
SOCIETY OF MIDWEST CONTESTERS	1,750,740
TOP OF EUROPE CONTESTERS (SM)	1,724,419
GUARA DX GROUP (PY)	1,585,236
SPDXC (SP)	1,517,136
CONTEST CLUB KRASNODARSKOGO KRAYA (UA6)	1,465,453
WORLDWIDE YOUNG CONTESTERS (*)	1,420,179
SOUTH URAL CONTEST CLUB (UA9)	1,401,288
KANSAS CITY DX CLUB	1,280,019
MINNESOTA WIRELESS ASSOCIATION	1,250,496
VK CONTEST CLUB (VK)	1,227,622
CONTEST GROUP DU QUEBEC (VE2)	1,197,771
ARAUCARIA DX GROUP (PY)	934,010
SOUTHERN CALIFORNIA CONTEST CLUB	903,283
KRIVBASS (UR)	860,978
SLOVENIA CONTEST CLUB (S5)	846,281
BRITISH COLUMBIA DX CLUB (VE7)	795,804
CHILTERN DX CLUB (G)	789,564
GRAND MESA CONTESTERS OF COLORADO	727,754
KAUNAS UNIVERSITY OF TECHNOLOGY RADIO CLUB (LY)	672,206
RTTY CONTESTERS OF JAPAN (JA)	614,559
LOW COUNTRY CONTEST CLUB	551,536
WESTERN WASHINGTON DX CLUB	511,682
PK RVG (SP)	456,410
TUPY DX GROUP (PY)	404,126
CAROLINA DX ASSN	396,997
BARTG (G)	393,219
GRUPO DIGITAL MEXICO (XE)	331,455
WESTERN NEW YORK DX ASSOCIATION	206,788
ORDER OF BOILED OWLS OF NEW YORK	130,800
CENTRAL SIBERIA DX CLUB (UA0)	67,352

(*) Listed for completeness, however, not within Club Competition rules.

QRM

5B/DL2MLU: During our holidays on this marvellous island we joined CQ WW RTTY and enjoyed being a mult for many. Unfortunately propagation condx were pretty bad at our end and there were only a handful of stateside contacts. Congratulations to WB9Z, who managed to copy our tiny signal on 20, 40, and 80! **6W1SE:** Bad condition on 10m! **7N2UQC:** I was able to enjoy this contest. Tnx for a fine contest again. **8P6DR:** First time. 100w and wire antenna not condusive to holding a frequency. **9A5W:** Score better than my world record from 2006. Sunday's condx helped. **AA5AU:** Worst high band conditions I've ever seen for a CQ WW RTTY contest. **AA7FK:** Great time even at this low spot in the cycle. My best effort on RTTY to date. Look forward to improving condx and more DX in the future instead of just a few spot openings outside NA. Thanks to all! **AO8X:** Hello guys! Fantastic CQ contest again! I had an entertaining weekend with all you again.Very nice to work HC8N and my friends from D4C on 5 bands! And many more. Thanks to all for your points and QSOs with my station. I hope see you again. I'm very happy for wonderful competition! 73 de EA8AUW (AO8X). **BG7JSQ:** This was my first RTTY contest and I found it is real fun!

CT1AOZ: Propagation was too closed to be true. HC8N is always heard with good signal here but this time no copy at all. USA was out of my receiver and only a few EU. SA I think I worked all of them (hi hi). Many thanks to all I worked. Rig was an IC-725, 50 watts with my old antenna TA-33 classic. Hope conditions are better next year. **DJ8ES:** Great activity in EU, including great QRM. Missed some old DX stations from Asia this time. **DO6SVK:** Very nice contest and my first time in CQ WW RTTY. **F5RD:** Good contest. A lot of stations on 80m to 15m. Some stations on 10m Sunday morning. I contacted a new country (SU). Thanks to all who worked me. See you again in 2008. **GM5A:** This is the first time in a long while I have done single op, 48 hours. In the end I managed almost 38 hours. By the end I think I was brain dead. Conditions were terrible from the start and the K index went up to 5 on the Saturday. I only managed a handful of QSOs on 10m and didn't even hear the States on 15m. **GUØSUP:** Lousy conditions to start, which didn't help. Nice to see so much activity. Thanks to the CQ team for the contest.

HZ1PS: Enjoyed the contest. Thanks to CQ and to all for the Q's. Like others have said it was a battle at times with the conditions. On the other hand some unusual band openings throughout the time I was able to operate. Many highlights for me, 14 new countries in South and Central America. **IKØIZW:** Propagation very poor on 10 meters. For the second year we burned the 80 meter trap. 2008 will be sure all right! **IZ1KGY:** This is my small contribution. It will be used like "check logs," but for me it's a school in order to grow. Thanks to all. **J39BS:** Dipoles only + low power = low score. Had fun. Some good band openings. **JA7MJ:** The condition was not so good, but enjoyed the contest. **JE8NTJ:** This was my first time in the CQ WW RTTY contest. See you next year. **K4FJ:** A true M/S, no mult station. Amp failed on Sunday. K3KG made his first RTTY QSO ever in this contest. **K4MM:** Wow, pretty good condx for this one even though only had a single wire antenna. We mostly S&P'd but had a few small runs at times. Amazing to work VQ9LA on a wire antenna with low power at this point in the sunspot cycle. **K5ZD/1:** Great to see so many new calls. RTTY contesting is alive and well!

K7RE: Friday and Saturday saw abysmal propagation here, but Sunday was much better. Never thought that I would be able to work 60+ DXCC countries on 20m at the bottom of the solar cycle in one easy weekend. I only put in about 20 hours, as my single band effort ran into early 20m band closings. **K8AJS:** I read lots of comments after the contest about the propagation. They're all absolutely correct; it was terrible. The big indicator for me, besides the numbers from WWV, was the contact points. It took me approximately 80 more QSOs this year to get to the same number of contact points I had last year. Last year my points-per-qso average was 2.29: this year it was 2.02. **KI4MF:** Wonderful contest. Had a great time. Band was pretty good Sunday. This is always a great contest. Saw many new callsigns which is another good sign. **KOØZ:** Bottom of Cycle 23; low sunspots; low power. I have no place to go but up! I had fun for my first ever CQ WW contest! Look forward to next year's. **KY7M:** Hearing any Europeans was a treat from the West Coast. Only a few on 40m and very limited on 20 meters both mornings. This contest will be so much more fun when the sunspots return. **N3CHX:** Band conditions were great for both days. Nice to see all bands in action. Activity was also fast and furious! A good contest for the low end of the solar cycle! **N5ZM:** Who would do single band 15 with an A index of 26? Got to be crazy.

OE5JKL: Good conditions this contest weekend. I am running just 100 watts into a "shoelaces-antenna" but it worked surprisingly well. At the first time I saw a callsign from VK-land on my screen. I hope to have time for the 2008 CQ WW RTTY DX Contest. **OR6C:** Poor propagation on Saturday and just a little bit better on Sunday. Very nice contest anyway. We don't need the sun to have fun. **PI4COM:** We had fun as always. Some operators were in this contest for the first time and they enjoyed it. See you next year, maybe in the M/M class. **TF4M:** Lot of fun operating the setup at TF4M. Conditions were not favourable, and even though we heard a lot of stations they couldn't hear us due to the aurora. Thanks to all who worked us, especially those who spotted us (Seli, TF3AO). **USØHZ:** Thank you very much for contest. It was a great pleasure to meet old friends. **VA3TTU:** Thank you for a great contest! I worked HC8, VU2, D4, 6W1 and many more! **VA7PX:** Twelve new countries. How good is that in two days? Terrific! **VK4EJ:** Another great CQ WW. More new entities worked on this weekend than I did all year, even in the pits of the cycle. This is a can't miss contest. **VU2PTT:** Tried to give out some points on 15m with just my Sigma-5 vertical and barefoot rig. Mostly called CQ. Some interesting callers like TR8CA.

WØLSD: Pretty poor conditions from CO. Glad we are at the bottom of the cycle! First time with SO2R or with my skill level about SO1.5! Confirms my opinion regarding the SO1/SO2 debate. The second radio was great for picking up multipliers and really added to the score as compared to my SO1 days. **W1MAT:** First serious CQ WW RTTY. Did Multi-Two with my dad. **W6RKC:** This contest occurred on the weekend of my daughter's wedding, so I only got a few minutes to S&P. Please consult with my wife before scheduling any CQ WW contests to avoid conflicting with family events. **W7QQQ:** My first time. What a hoot! I used stealth wire antennas. **XE2RV:** Great experience on my first contest. Several things to improve for next year. I will be more than ready to participate. **YO5OHY:** Very nice contest! Many stations! **ZF2DF:** Our first DX contest expedition was terrific! We operated from the ZF1A contest station (thanks to Andrew, ZF1EJ). 80 was rough the first night due to QRN, but much better on Saturday night. On the higher band, what a delight to work VQ9LA, but couldn't get through the pileup to VU2LBW! Thanks to all who worked us! We had a great time. Bring on the sunspots! We operated unassisted. **ZS2DL:** First-ever serious contest effort. The most fun I have had on radio for years! Had some receiver problems Sunday afternoon that brought an early end to the contest for me, but had a great time. Will be back next year! **ZS2Y:** First contest effort. Power supply failed just before the contest so ran off battery with 60w output! Had great fun and will be better prepared next time.

Number groups after callsigns denote the following: QSOs, Points, Zones, Countries, US/VE, Final Score. Certificate winners are listed in boldface.

2007 CQ WW RTTY DX CONTEST

Single Operator Assisted

ZX2B	**2228**	**6592**	**108**	**298**	**191**	**3,935,424**
LTØH	**1695**	**4974**	**89**	**216**	**179**	**2,407,416**
EA5RM	**2215**	**4983**	**83**	**282**	**80**	**2,217,435**
RZ3AZ	**2180**	**4862**	**103**	**291**	**53**	**2,173,314**
GM5A	**1873**	**4242**	**81**	**241**	**84**	**1,722,252**
IK4MHB	**1643**	**3902**	**85**	**258**	**90**	**1,689,566**
K4GMH	**1653**	**3763**	**81**	**214**	**153**	**1,685,824**
UW5Q	**1637**	**3736**	**91**	**265**	**65**	**1,572,856**
JS3CTQ	**1440**	**3833**	**102**	**214**	**54**	**1,418,210**
WB9Z	**1432**	**2978**	**89**	**215**	**169**	**1,408,594**
HA8IE	**1282**	**2923**	**94**	**275**	**53**	**1,233,506**
W3FV	**1140**	**2635**	**73**	**195**	**127**	**1,040,825**
VE3UTT	**1048**	**2721**	**74**	**180**	**117**	**1,009,491**
ZX7A	850	2504	75	216	112	1,009,112
W4ZE	**1247**	**2444**	**72**	**185**	**150**	**994,708**
DK3GI	1081	2597	83	232	68	994,651
YL5T	1220	2798	80	238	33	982,098
DL1ARJ	1229	2799	62	199	64	909,675
RN3QO	1159	2582	78	218	14	800,420
KK5OQ	**1116**	**2010**	**73**	**159**	**153**	**773,850**
RW4PL	990	2203	87	248	16	773,253
WX4TM	1125	2009	65	149	148	727,258
F8KHF	941	2163	67	196	65	709,464
AA3B	823	1896	72	186	115	707,208
K3MQ	998	1960	65	153	139	699,720
JM1XCW	840	2184	95	168	54	692,328
DJ2BW	724	1694	80	244	59	648,802
EB1ISN	963	2183	52	183	57	637,436
K1FWE	708	1695	69	190	90	591,555
OK1DO	**845**	**1906**	**66**	**185**	**35**	**545,116**
SV1DPI	**717**	**1602**	**71**	**197**	**29**	**475,794**
WQ2N	**631**	**1269**	**71**	**173**	**127**	**470,799**
RA9SD	**632**	**1739**	**71**	**178**	**10**	**450,401**
KB1JZU	**649**	**1369**	**60**	**162**	**106**	**449,032**
W9MU	**644**	**1348**	**64**	**149**	**111**	**436,752**
EY8MM	**682**	**1877**	**66**	**155**	**5**	**424,202**
PY2KC	513	1488	59	128	97	422,592
KY7M	773	1328	68	123	124	418,320
K4CZ	654	1304	62	148	110	417,280
N6ND	**609**	**1249**	**74**	**134**	**123**	**413,419**
EA5DKU	727	1590	53	162	37	400,680
K3WW	624	1417	55	125	93	386,841
W7ZR	818	1296	64	111	117	378,432
DHØGHU	686	1474	52	161	38	369,974
DD1JN	643	1396	59	180	22	364,356
W2LK	498	1213	62	155	77	356,622
ZS2EZ	**502**	**1478**	**60**	**138**	**42**	**354,720**
ABØTA	**651**	**1128**	**59**	**126**	**123**	**347,424**
W9NGA	**762**	**1314**	**56**	**91**	**102**	**327,186**
K6TA	619	1115	65	106	110	313,315
VE3SS	433	1066	56	142	87	303,810
JQ1BVI	525	1311	80	122	29	302,841
N4KG	534	1011	59	129	107	298,245
AJ1M	**556**	**980**	**59**	**132**	**113**	**297,920**
DJ1OJ	490	1105	61	176	23	287,300
K4FX	519	1005	61	120	102	284,415
DL1RG	529	1162	54	168	22	283,528
W1BYH	517	922	58	142	107	283,054
KA3EAJ	445	971	51	136	89	267,996
IK2SAI	640	1372	46	126	22	266,168
K7AGE	564	996	63	92	112	265,932
K1KO	507	1144	49	115	67	264,264
W3WKR	501	922	57	130	97	261,848
DJ8EW	468	1038	52	159	24	243,930
F5CQ	408	932	55	166	34	237,660
K4LQ	390	824	66	125	93	234,016
RW4WZ	527	1142	50	147	1	226,116
EA4BT	458	1019	51	137	27	219,085
IK1DFH	478	1043	46	147	17	219,030
PAØWRS	372	878	60	155	33	217,744
N2FF	370	836	55	130	70	213,180
K7BTW	505	930	53	88	87	212,040
YT2U	**393**	**900**	**56**	**141**	**24**	**198,900**
KR4F	401	819	49	106	76	189,189
ZL1BYZ	333	950	59	90	49	188,100
KA2D	334	828	46	124	56	187,128
OE2VEL	**344**	**836**	**49**	**132**	**40**	**184,756**
DL1ECG	389	861	46	144	20	180,810
RA9AC	350	982	53	127	1	177,742
VE7KET	339	788	54	86	82	174,936
PAØVHA	481	1018	33	110	19	164,916
K6EU	402	707	52	70	92	151,298
TA1DX	**406**	**907**	**44**	**102**	**20**	**150,562**
DL8NBE	338	751	47	131	17	146,445
SM2M	**296**	**667**	**51**	**144**	**13**	**138,736**
AA4V	334	600	48	78	96	133,200
PA5O	305	693	42	126	20	130,284
BD4SX	349	821	58	97	3	129,718
JA2XYO	273	727	57	95	16	122,136
AI4MT	327	544	50	84	90	121,856
K6GEP	400	584	43	52	113	121,472
W3KB	263	524	50	114	66	120,520
VA7SW	352	733	38	47	77	118,746
JR1BAS	274	681	62	95	14	116,451
JR1NHD	253	630	68	100	13	114,030
WZ7I	235	558	43	113	46	112,716
EB2FJN	299	649	31	123	18	111,628
DK3WN	291	630	39	115	16	107,100
7N2UQC	300	681	56	84	14	104,874
KØBX	294	611	34	78	55	102,037
KE1F	287	544	39	82	61	99,008
SP5OXJ	269	613	40	103	10	93,789
KC8IMB	369	525	30	50	95	91,875
DB9EX	250	563	39	104	19	91,206
WB1EDI	246	455	36	84	78	90,090
KA2KON	206	491	43	97	36	86,416
UAØQBR	280	668	39	77	9	83,500
WA1PMA	253	479	41	75	54	81,430
I2DMI	227	577	37	72	30	80,203
NE1F	220	424	34	82	69	78,440
JA1BWA	221	515	58	80	11	76,735
K8MM	223	394	39	75	68	71,708
RA3NZ	277	605	29	88	1	71,390
AA9RR	187	411	42	82	49	71,103
N6VH	276	453	36	49	70	70,215
KE1JF	184	457	33	93	27	69,921
GM4FAM	168	396	41	120	15	69,696
F8CRS	214	465	36	102	11	69,285
DJ4MZ	205	477	31	90	24	69,165
OK2PF	227	509	30	95	9	68,206
W7YES	273	532	30	63	35	68,096
LU3DX	170	481	34	66	41	67,821
IKØCNA	248	521	27	97	2	65,646
OH5VG	167	395	43	108	9	63,200
JA1XUY	180	438	53	74	11	60444
JR3UIC	150	387	59	95	1	59985
JA1RRA	187	419	57	72	8	57403
AD4YQ	168	333	43	71	56	56610
JA1IZZ	161	395	52	78	11	55,695
W7WHY	248	350	33	40	84	54,950
AI9T	222	340	33	47	76	53,040
DM5JBN	241	494	21	84	0	51,870
N8BJQ	151	319	46	72	44	51,678
K4XD	195	352	26	57	62	51,040
N9LF	169	295	37	59	58	45,430
K4AC	169	345	27	59	36	42,090
W3UTD	141	399	27	78	0	41,895
WA1ZYX	170	343	22	58	42	41,846
K5HDU	204	306	31	45	58	41,004
K9CS	123	279	42	69	34	40,455
N3KHK	157	285	29	52	60	40,185
NS9I	174	304	26	46	60	40,128
W1NR	123	298	31	77	21	38,442
W3OA	124	265	40	67	37	38,160
SM7BHM	166	357	21	69	1	32,487
SM3ETC	170	360	17	64	5	30,960
RAØANO	114	275	41	71	0	30,800
KØCOP	116	255	30	58	31	30,345
KNØR	119	219	27	47	45	26,061
HA9PP	110	270	30	58	8	25,920
K5WW	111	207	39	49	37	25,875
DJ4PI	131	280	26	64	0	25,200
N2TU	99	257	21	56	10	22,359
OQ5M	108	273	20	38	23	22,113
AA9DY	112	199	29	45	27	20,099
KA4RAB	104	227	18	41	26	19,295
VE3EJ	81	189	27	43	31	19,089
ON8VM	102	229	23	55	5	19,007
DAØCA	108	235	16	49	6	16,685
IK6VXO	145	303	10	45	0	16,665
JO7KMB	77	192	36	45	5	16,512
WO1N	69	152	25	44	16	12,920
JA5FNX	99	185	26	30	2	10,730
N3GJ	58	145	20	40	10	10,150
AA8LL	56	137	24	41	6	9,727
OF4MFA/QRP	85	172	11	44	0	9,460
K4EDI	49	121	29	42	7	9,438
AA1V	56	163	14	41	0	8,965
VK6DU	52	149	24	34	0	8,642
N2UM	63	109	18	30	28	8,284
PY2BRZ	48	120	27	34	2	7,560
RV9UB	50	110	26	33	0	6,490
9A3KS	45	125	18	33	0	6,375
W6XK	65	90	17	14	37	6,120
JA2VHG	46	119	19	32	0	6,069
9A3ST	46	110	21	29	0	5,500
W6SA	50	91	17	17	20	4,914
AC5ZG	45	80	16	21	19	4,480
EA5VQ	34	84	17	28	0	3,780
K7GZP	43	79	12	10	15	2,923
JR1UMO	26	69	16	20	2	2,622
PY2NQ	23	69	14	23	0	2,553
SP7FBQ	25	54	13	19	0	1,728
AH6NF	13	34	11	10	2	782
HSØEHF	**12**	**34**	**8**	**9**	**0**	**578**
W5TB	9	21	7	9	0	336

Single Operator, All Band, High Power

EF8M	**3517**	**10511**	**104**	**342**	**176**	**6,537,842**
AO8X	**2347**	**7008**	**90**	**269**	**140**	**3,496,992**
K3MM	**2442**	**5372**	**86**	**237**	**193**	**2,771,952**
UA9CLB	**2325**	**6484**	**91**	**244**	**40**	**2,431,500**
W1UE	**2086**	**4875**	**83**	**218**	**159**	**2,242,500**
EO5M	**2117**	**4784**	**102**	**296**	**46**	**2,124,096**
YO9HP	**1999**	**4567**	**98**	**283**	**66**	**2,041,449**
LU4DX	1486	4341	91	204	173	2,031,588
EM5U	**1983**	**4440**	**90**	**299**	**57**	**1,980,240**
JH4UYB	**1632**	**4462**	**105**	**223**	**61**	**1,735,718**
6W1SE	**1482**	**4421**	**65**	**202**	**93**	**1,591,560**
IZ1LBG	**1578**	**3669**	**78**	**260**	**80**	**1,533,642**
VE3DZ	**1470**	**3609**	**72**	**194**	**157**	**1,526,607**
EA1AKS	1469	3342	77	251	107	1,453,770
LB8IB	1793	3959	68	246	53	1,452,953
KH6ZM	**1325**	**3898**	**83**	**122**	**162**	**1,430,566**
UA4LCQ/9	1363	3785	81	235	15	1,252,835
9M6XRO	**1256**	**3690**	**95**	**206**	**26**	**1,206,630**
KU1CW	**1478**	**2644**	**84**	**195**	**165**	**1,173,936**
I2UIY	1324	3091	55	182	87	1,001,484
TMØRWC	**1156**	**2659**	**78**	**224**	**74**	**999,784**
S52OP	**1243**	**2828**	**73**	**216**	**61**	**989,800**
RG3K	**1417**	**3032**	**78**	**233**	**13**	**982,368**
VQ9LA	**1177**	**3513**	**66**	**170**	**33**	**944,997**
S56A	**1111**	**2525**	**76**	**244**	**50**	**934,250**
RD4WA	1342	2908	79	227	9	916,020
UA6CE	1291	2823	72	222	28	909,006
VK4AN	**927**	**2692**	**89**	**177**	**71**	**907,204**
K4TD	**1152**	**2425**	**75**	**156**	**134**	**885,125**
W3MF	**1082**	**2527**	**68**	**157**	**125**	**884,450**
WK6I	**1367**	**2312**	**75**	**127**	**172**	**864,688**
N6AR	972	2186	78	184	129	854,726
UV5U	1036	2351	80	228	43	825,201
KH6FI	921	2705	72	111	116	808,795
UA3PAB	1349	2904	62	196	11	781,176
ZM2A	**784**	**2300**	**80**	**154**	**102**	**772800**
HA1TNX	**989**	**2261**	**75**	**223**	**40**	**764,218**
UA9OG	1035	2724	65	203	1	732,756
OK1EP	**919**	**2174**	**68**	**223**	**46**	**732,638**
VY2LI	**919**	**2267**	**59**	**148**	**115**	**729,974**
WA2ETU	**1052**	**2161**	**59**	**149**	**129**	**728,257**
K4SN	958	1861	69	151	135	660,655
W4GKM	1036	1867	61	142	139	638,514
KG6DX	**879**	**2576**	**80**	**129**	**33**	**623,392**
PG3N	**1031**	**2230**	**55**	**180**	**42**	**617,710**
YL2CI	**984**	**2157**	**62**	**198**	**21**	**606,117**
RU9TO	852	2375	65	182	1	589,000
FG5LA	**999**	**2209**	**46**	**97**	**123**	**587,594**
DU1IST	**858**	**2530**	**73**	**127**	**20**	**556,600**
JF1PJK	768	2015	79	156	33	540,020
WØLSD	1005	1665	61	117	142	532,800
WB4YDL	943	1648	61	113	146	527,360
RN3ZC	935	2001	65	194	3	524,262
K5ZD/1	**655**	**1541**	**60**	**163**	**99**	**496,202**
K8AJS	**739**	**1494**	**59**	**132**	**128**	**476,586**
IT9LGV	**746**	**1686**	**63**	**182**	**36**	**473,766**
NJ2F	727	1274	72	139	132	436,982
RW6ATJ	932	1968	50	165	0	423,120
JR3NZC	594	1612	85	141	31	414,284
AO3R	706	1616	51	145	53	402,384
SV2BFN	810	1750	48	149	24	386,750
KØTG	792	1249	58	109	141	384,692
HB9AAA	626	1478	52	163	45	384,280
F6AUS	540	1310	63	170	44	362,870
VE1MC	647	1601	42	108	76	361,826
W6IHG	536	1220	57	142	91	353,800
JT1CO	**750**	**1842**	**61**	**128**	**1**	**349,980**
K4RO	647	1201	61	115	115	349,491
OK1BET	594	1320	57	183	21	344,520
K4HMB	606	1149	59	125	115	343,551
K6XT	698	1115	62	110	136	343,420
RW6CR	656	1560	59	143	18	343,200
VE2FU	553	1319	52	106	93	331,069
DK6CQ	513	1166	60	191	24	320,650
W6WRT	727	1217	56	70	132	313,986
HZ1IK	**702**	**2015**	**34**	**108**	**13**	**312,325**
OZ5NJ	**677**	**1475**	**41**	**141**	**28**	**309,750**
UAØYAY	601	1481	61	140	4	303,605
VA7ST	**584**	**1264**	**46**	**75**	**119**	**303,360**
ZS2DL	**484**	**1432**	**60**	**130**	**21**	**302,152**
HL2FDW	**658**	**1545**	**71**	**111**	**12**	**299,730**
KH6GMP	562	1645	49	60	65	286,230
HL2AEJ	493	1274	74	140	9	284,102
CO3JN	**490**	**1095**	**54**	**110**	**89**	**277,035**
G3LZQ	477	1110	50	155	36	267,510
NJ4F	435	930	57	133	91	261,330
KI4MF	445	1056	49	131	66	259,776
PA1WFB	534	1189	39	143	29	250,879
NØOB	577	926	52	96	121	249,094
W1ZT	397	899	57	144	72	245,427
RV3BQ	490	1053	59	165	8	244,296
W4UK	610	917	56	91	119	243,922
W4RK	634	944	53	93	112	243,552
JA8TR	460	1222	63	116	19	241,956
W7QQQ	**707**	**1057**	**47**	**71**	**107**	**237,825**
K4ADR	563	959	48	97	99	233,996
RA3BB	618	1340	42	123	8	231,820
IZ8EDL	488	1039	51	154	18	231,697
9M2MT	**503**	**1353**	**49**	**121**	**0**	**230,010**
W1ZK	388	888	52	121	79	223,776
OK2SFP	631	1321	38	113	18	223,249
JA2FSM	427	1026	74	112	31	222,642
N3YEA	469	873	51	105	99	222,615
PA9DD	449	975	51	160	17	222,300
K8ZZ	654	946	40	72	117	216,634
RW6BN	484	1047	46	150	9	214,635
RM9RZ	398	1068	50	145	4	212,532
DL7UMK	431	954	54	151	17	211,788
W2YE	391	917	49	111	69	209,993
IK2AHB	429	985	43	144	26	209,805
UAØFAI	519	1225	59	97	14	208,250
LA5HPA	555	1176	38	137	0	205,800
OZ1JTE	471	1023	41	148	12	205,623
DL5YM	430	949	49	133	24	195,494
6H1YYD	385	841	46	76	108	193,430
DL4ME	556	1120	38	129	4	191,520
PAØLSK	490	1040	38	122	21	188,240
JG1GGU	361	930	66	112	24	187,860
VR1ØXMT	**506**	**1142**	**56**	**95**	**8**	**181,578**
UA9BS	364	1008	47	132	0	180,432
WA9IVH	**427**	**763**	**48**	**90**	**98**	**180,068**
AB9H	383	721	52	106	88	177,366
DJ2YE	413	877	38	139	25	177,154
SM5D	347	785	51	159	15	176,625
DL5MEV	331	811	48	127	41	175,176
NN6XX	490	782	48	65	111	175,168
XE1V	**353**	**825**	**44**	**88**	**77**	**172,425**
VE7CF	425	944	43	57	79	168,976
N7BF	508	743	44	63	115	164,946
UN5J	**336**	**874**	**65**	**121**	**1**	**163438**
W2TB	347	745	40	108	70	162,410
DF5BX	432	911	35	127	16	162,158
UT3N	398	858	43	137	8	161,304
K3NC	340	826	50	98	47	161,070
7L4IOU	337	796	75	110	17	160,792
N6CK	441	739	53	65	98	159,624
UW8I	460	1002	37	97	25	159,318
HB9DHG	**514**	**1089**	**31**	**113**	**2**	**158,994**
K4ZTL	328	679	46	105	81	157,528
K4HAL	384	699	49	83	90	155,178
KØAD	492	719	37	66	112	154,585
GØHDV	463	956	32	113	12	150,092
RAØFZ	417	951	55	91	10	148,356
EA2AAZ	320	721	52	127	25	147,084
W2LE	307	757	39	98	57	146,858
AG4W	371	639	46	102	79	145,053
W4HJ	299	640	47	106	70	142,720
UT4EK	396	870	39	116	8	141,810
JT1F	560	1287	38	72	0	141,570
KØJJR	352	608	43	86	98	138,016
YL2PA	343	754	44	127	9	135,720
JN3SAC	295	783	53	109	9	133,893
NA2M	306	600	43	90	85	130,800
YO7ARY	341	771	33	117	19	130,299
9M2CCO	345	897	47	95	0	127,374
W6AAN	272	581	51	106	55	123,172
YL9T	344	749	38	119	6	122,087
RA3CM	418	857	31	103	6	119,980
JA7ZP	261	681	63	93	20	119,856
SE5E	296	653	44	128	5	115,581
VK7GN	248	711	51	85	24	113,760
DL8SCG	275	617	46	117	20	113,277
GW4BLE	306	832	31	55	49	112,320
N4BCB	277	562	41	89	65	109,590
UX8ZA	293	660	41	116	6	107,580
YO7LGI	298	676	37	108	13	106,808
DF3IS	289	657	35	103	24	106,434
KØJJ	413	592	39	48	92	105,968
RK3QS	396	817	34	94	1	105,393
JA9CWJ	236	643	50	95	17	104,166
SN1A	322	689	31	114	6	104,039
K5CM	362	604	43	66	60	102,076
KW3W	238	531	46	94	48	99,828
VE6YR	329	687	34	42	67	98,241
RA3BT	260	599	45	112	7	98,236
PA2ALF	280	642	38	99	16	98,226
K2ZD	233	489	44	103	52	97,311
K3WI	237	531	40	91	52	97,173
W6AEA	309	578	33	68	66	96,526
VK2NU	245	723	36	73	24	96,159
JH4BTI	205	544	64	101	11	95,744
PA3GCV	332	702	27	84	20	91,962
DG8AM	333	664	32	106	0	91,632
W7UG	338	538	33	56	81	91,460
IV3VBM	235	538	42	102	22	89,308
DK4LI	284	613	30	94	20	88,272
W6OQI	305	533	36	42	83	85,813
WA6BOB	357	545	33	33	91	85,565

KD9MS	239	528	40	73	46	83,952
K6YUI	233	417	52	66	73	79,647
S53M	273	677	22	59	35	78,532
IZ5CMG	246	523	39	105	5	77,927
SP2BBD	199	477	42	104	15	76,797
JA7BME	171	470	56	92	13	75,670
RAØQD	299	692	41	65	2	74,736
W4NTI	222	420	40	68	66	73,080
W5KFT	269	474	30	40	84	72,996
LA9TY	227	499	30	105	11	72,854
UAØZAM	307	687	41	46	16	70,761
UAØAZ	219	546	42	83	0	68,250
VK3FM	170	469	47	71	27	68,005
DL5RBR	242	495	34	102	0	67,320
I1OQI	246	531	28	87	10	66,375
K2RD	236	417	47	56	56	66,303
OZ1FAO	193	443	38	96	12	64,678
DL7DZ	296	609	24	63	19	64,554
OA4AHW	**165**	**438**	**43**	**64**	**39**	**63,948**
W7QF	160	437	40	95	10	63,365
AO5HH	186	441	34	84	25	63,063
K6TD	255	449	31	44	65	62,860
W4STB	211	404	31	69	54	62,216
N4ZZ	246	477	25	48	48	57,717
DC3RJ	190	471	34	69	16	56,049
WØHW	202	407	29	65	43	55,759
UR4EI	206	453	27	93	3	55,719
VA7DM	223	469	26	32	58	54,404
WB6JJJ	174	402	40	51	43	53,868
KD5JAA	187	363	41	53	54	53,724
DL9UDS	221	460	26	84	5	52,900
K7LV	190	341	38	54	58	51,150
K7XC	206	354	33	52	54	49,206
NN6NN	189	300	34	48	72	46,200
EA4EJP	213	454	18	57	23	44,492
W4OJC	129	324	44	70	19	43,092
W5KDJ	229	321	29	37	65	42,051
N8XI	153	348	24	58	36	41,064
K8DO	161	293	30	54	56	41,020
K7EG	158	333	29	53	41	40,959
OK1AZK	177	385	23	71	10	40,040
DL1DWL	168	377	24	67	0	34,307
KM4M	124	289	28	63	27	34,102
W3IZ	121	313	26	61	16	32,239
K1SEZ	144	286	25	49	37	31,746
YO7BGA	121	314	33	56	11	31,400
K3DI	109	253	38	62	24	31,372
JA2BQX	121	299	38	59	7	31,096
AE4EC	116	240	34	58	36	30,720
US6IOT	105	280	38	70	0	30,240
9K2HN	136	400	20	54	0	29,600
PA1LS	150	314	21	68	4	29,202
SP5ECC	204	425	15	49	2	28,050
GØDAY	139	307	20	61	9	27,630
UT5ECZ	127	275	26	71	0	26,675
LY6M	110	255	30	68	4	26,010
AH8LG	**91**	**261**	**33**	**33**	**33**	**25,839**
TF3AM	**126**	**288**	**18**	**51**	**20**	**25,632**
YBØCOU	108	315	29	45	1	23,625
WA1BUD	131	221	23	40	43	23,426
W2YJ	90	242	29	60	6	22,990
DL8DUL	133	300	19	50	7	22,800
JF2FIU	101	235	39	54	3	22,560
DL1DTC	119	284	20	46	12	22,152
XE2WWW	154	316	12	15	43	22,120
WBØN	130	189	26	28	56	20,790
KG6ZHC	123	189	28	27	54	20,601
LZ1BJ	**135**	**290**	**13**	**38**	**14**	**18,850**
AD4EB	97	200	21	42	27	18,000
LY2WN	116	242	18	56	0	17,908
W3DAD	100	169	28	38	39	17,745
WA2MNO	142	203	25	30	29	17,052
SQ9ANS	110	233	22	48	2	16,776
VK3KE	67	182	30	42	11	15,106
W6SX	107	146	19	17	56	13,432
K3PH	80	136	27	31	40	13,328
LZ8A	71	183	28	38	4	12,810
YU1KT	86	198	21	42	1	12,672
WA7SHP	88	157	20	21	32	11,461
CP1FF	68	195	14	18	25	11,115
VE6FN	84	175	14	13	36	11,025
ABØYM	90	131	21	17	42	10,480
SP7HOV	51	136	30	43	0	9,928
WØZW	57	146	22	40	6	9,928
NE1I	49	135	19	46	5	9,450
N6XI	74	121	20	25	29	8,954
N6QEK	70	116	23	21	33	8,932
N1KI	46	114	26	41	7	8,436
N3NZ	67	122	17	25	22	7,808
DL7BA	47	133	19	30	7	7,448
LA5TFA	57	152	11	21	17	7,448
TF3US	77	155	11	31	2	6,820
N6MA	50	133	19	31	1	6,783
VA6MM	67	142	11	11	22	6,248
KE1FO	49	97	13	24	19	5,432
DCØOVG	51	104	12	37	0	5,096
NA5Q	28	76	19	28	0	3,572
W4BCG	36	63	15	19	19	3,339
OK2EQ	26	74	22	23	0	3,330
WA4PGM	49	64	11	11	27	3,136
DK5MB	23	63	18	19	6	2,709
K9HCK	28	56	14	16	12	2,352
AI6O	28	72	14	18	0	2,304
EA3AGZ	21	52	14	18	3	1,820
VA2SG	28	56	8	6	17	1,736
UA3AGW	19	45	10	19	0	1,305
UA6JY	15	37	11	15	0	962
YO5BBO	9	26	9	9	0	468
LA9TJA	1	3	1	1	1	9

Single Operator, All Band, Low Power

HI3T	**1872**	**4563**	**85**	**223**	**173**	**2,194,803**
5C5W	**2055**	**6145**	**62**	**186**	**87**	**2,058,575**
WP3C	1519	3468	72	162	179	1,432,284
EA1DR	1349	3102	70	227	77	1,160,148
7Z1SJ	1306	3740	64	194	23	1,050,940
RT9S	**1046**	**2950**	**81**	**227**	**14**	**949,900**
AM5FL	**1378**	**2979**	**58**	**177**	**63**	**887,742**
UR4U	**1054**	**2362**	**79**	**265**	**31**	**885,750**
AO7AJR	1223	2672	60	193	68	857,712
OK3C	**1164**	**2549**	**67**	**214**	**50**	**843,719**
AA5AU	**1220**	**2001**	**78**	**167**	**171**	**832,416**
UR7GO	1168	2544	74	229	17	814,080
LZ9R	**1087**	**2408**	**71**	**227**	**33**	**797,048**
HR2/K2BB	**999**	**2180**	**63**	**133**	**158**	**771,720**
J39BS	**1104**	**2321**	**56**	**92**	**182**	**765,930**
YV5AAX	**803**	**2389**	**53**	**110**	**153**	**754,924**
VA2UP	**902**	**2148**	**66**	**153**	**121**	**730,320**
DL9YAJ	**979**	**2138**	**76**	**220**	**44**	**726,920**
ON4QX	**1070**	**2412**	**59**	**196**	**45**	**723,600**
IZ2FOS	**1018**	**2252**	**62**	**198**	**59**	**718,388**
UA3SAQ	**1012**	**2241**	**78**	**219**	**12**	**692,469**
F6HRP	**901**	**2039**	**66**	**197**	**61**	**660,636**
USØYW	1179	2544	51	182	26	658,896
WA1Z	**932**	**1771**	**64**	**171**	**131**	**648,186**
IV3JCC	907	2042	62	196	47	622,810
N2QT/4	**820**	**1684**	**65**	**169**	**121**	**597,820**
YO6BHN	**775**	**1810**	**81**	**199**	**37**	**573,770**
EA3EYD	829	1839	63	198	50	571,929
LY6A	**926**	**2042**	**61**	**191**	**23**	**561,550**
GØMTN	**974**	**2069**	**48**	**193**	**30**	**560,699**
RA9CB	852	2410	55	175	2	559,120
VY2SS	**714**	**1717**	**48**	**136**	**105**	**496,213**
UT5EPP	927	1960	52	184	15	491,960
DL6JZ	820	1740	60	191	28	485,460
YB4IR	**827**	**2461**	**57**	**134**	**5**	**482,356**
RA9SC	688	1852	67	191	1	479,668
UK7F	**728**	**1950**	**68**	**171**	**1**	**468,000**
PX2T	**691**	**2024**	**38**	**115**	**77**	**465,520**
N4IG	672	1378	71	152	112	461,630
WA1EHK	622	1453	62	153	99	456,242
YO3APJ	600	1409	74	199	34	432,563
VU2LBW	**797**	**2095**	**55**	**147**	**4**	**431,570**
VE1OP	**619**	**1472**	**53**	**141**	**98**	**429,824**
SP6OJG	**702**	**1531**	**62**	**186**	**24**	**416,432**
SP2EWQ/2	708	1526	61	193	13	407,442
HG8C	711	1633	53	157	39	406,617
IZ3ENH	757	1616	52	177	21	404,000
DL4SDW	584	1361	61	184	44	393,329
RA4HL	692	1505	69	188	2	389,795
UW5U	721	1558	57	176	16	387,942
YL2GD	**684**	**1494**	**60**	**194**	**5**	**386,946**
RA4FUN	780	1748	59	160	2	386,308
SP3RBG	578	1315	73	212	0	374,775
IK2DKX	608	1384	59	165	43	369,528
IZØEHL	585	1309	64	188	29	367,829
AN1A	665	1431	46	170	41	367,767
HA5LZ	625	1426	56	170	30	365,056
UT8EL	773	1609	48	171	3	357,198
RX3ZX	691	1492	52	179	8	356,588
VE3XD	574	1337	48	117	99	352,968
DK2AB	726	1521	44	162	21	345,267
VE3GSI	521	1266	55	128	88	343,086
DF4WC	532	1227	62	174	40	338,652
PA3BFH	**589**	**1313**	**51**	**173**	**33**	**337,441**
HA1BC	593	1339	56	158	36	334,750
YL2TB	741	1599	40	156	13	334,191
JA7EMH	**521**	**1313**	**79**	**148**	**26**	**332,189**
DV1JM	**647**	**1889**	**66**	**99**	**10**	**330,575**
UA9AFS	635	1759	40	134	2	309,584
YU3A	506	1154	63	162	30	294,270
K4ZR	527	1018	60	126	100	291,148
PX8X	420	1203	57	100	85	291,126
K2TE	478	1137	50	130	75	289,935
YL2NN	578	1277	50	163	14	289,879
GUØSUP	**503**	**1137**	**51**	**167**	**34**	**286,524**
VE2AXO	479	1149	49	107	93	286,101
8P6DR	**434**	**1044**	**63**	**113**	**98**	**286,056**
OK1CRM	625	1348	45	151	16	285,776
EB2CYQ	457	1064	54	173	38	281,960
HA2ESM	598	1307	45	149	18	277,084
UA9WIK	583	1650	36	126	3	272,250
DM3HZN	510	1140	51	155	30	269,040
DF1DX	512	1145	45	154	34	266,785
SV8RX	504	1166	64	152	10	263,516
F2AR	533	1167	43	157	23	260,241
KØD	**534**	**936**	**58**	**114**	**106**	**260,208**
KR1ST	467	891	56	128	104	256,608
S57AM	502	1116	47	156	26	255,564
XE2YWH	**508**	**1088**	**46**	**60**	**126**	**252,416**
SP3DOF	547	1167	45	153	12	245,070
NTØF	483	899	59	113	100	244,528
YO8FR	558	1230	42	155	0	242,310
RW3PF	616	1288	38	141	6	238,280
EA3FLS	560	1227	39	119	35	236,811
JP1QDH	435	1095	67	119	30	236,520
YO8RFS	523	1157	42	148	13	234,871
LU7HEO	341	963	63	89	88	231,120
BX5AA	**682**	**1685**	**35**	**94**	**8**	**230,845**
YL2CV	524	1139	42	153	7	230,078
6J3RBA	568	1194	35	63	94	229,248
DL5MX	434	970	55	163	18	228,920
PA3DBS	521	1138	42	133	25	227,600
9A7V	**440**	**994**	**55**	**145**	**28**	**226,632**
I8DVJ	479	1053	44	139	31	225,342
GMØNBM	**521**	**1115**	**37**	**145**	**17**	**221,885**
RU3WR	495	1082	47	154	3	220,728
YO9CWY	485	1091	46	147	8	219,291
UT8IM	476	1012	46	159	9	216,568
AB4GG	519	881	47	95	100	213,202
UA3TN	486	1053	46	150	0	206,388
LW9ETQ	344	995	45	63	95	201,985
OM4F	**488**	**1083**	**40**	**132**	**13**	**200,355**
W4UEF	415	804	48	113	87	199,392
RAØACM	500	1206	53	111	0	197,784
DG2TOM	408	928	49	142	21	196,736
HZ1PS	**365**	**1046**	**48**	**121**	**17**	**194,556**
AD5XD	584	813	44	71	124	194,307
OK1KQI	463	1005	39	136	17	192,960
SP8EEX	419	937	46	147	12	192,085
HA7YS	428	964	44	131	24	191,836
WA1LWS	**409**	**769**	**43**	**105**	**99**	**189,943**
DL5ARM	420	913	43	147	18	189,904
ER5DX	**538**	**1163**	**37**	**116**	**8**	**187,243**
EY7AB	**441**	**1169**	**43**	**116**	**0**	**185,871**
N4CBK	442	776	46	97	96	185,464
PAØADP	468	994	37	132	16	183,890
IK2YSJ	427	925	46	135	17	183,150
UA9FFV	401	1130	40	118	4	183,060
N5KWN	527	835	47	77	95	182,865
OM7AG	464	1012	39	124	17	182,160
DG7RO	416	915	39	136	22	180,255
PA3EBP	437	924	41	140	9	175,560
6H1ZVO	402	854	40	50	114	174,216
DH6BH	477	994	30	120	25	173,950
UA6LJB	341	763	51	169	7	173,201
DJ4EY	339	772	51	150	22	172,156
YO3BBW	460	983	44	130	1	172,025
DL3TD	459	938	40	130	13	171,654
N6PC	521	757	50	57	117	169,568
DK1FW	326	763	48	148	24	167,860
BG7JSQ	**434**	**980**	**66**	**103**	**2**	**167,580**
UA4WMA	496	1022	37	126	0	166,586
PT7AZ	338	958	34	92	47	165,734
OM6RK	505	1076	31	123	0	165,704
UT2AB	421	898	41	137	5	164,334
DM6DL	386	851	44	136	11	162,541
ON5SD	434	972	31	102	34	162,324
W3MR	321	673	51	117	72	161,520
CO2EL	**328**	**744**	**51**	**86**	**80**	**161,448**
VE2XAA	299	708	49	105	74	161,424
JI1RXQ	323	822	70	106	18	159,468
JA1XRH	314	760	72	118	17	157,320
DL1KUR	340	768	50	141	13	156,672
RZ6AK	444	937	38	122	6	155,542
JHØNEC	333	815	68	104	14	151,590
W3DQN	324	704	47	100	68	151,360
DK2TG	353	767	46	138	11	149,565
G4DBW	397	845	36	124	16	148,720
RA6XE	411	912	37	123	2	147,744
UA3PW	408	937	40	110	5	145,235
DJ2AX	390	811	39	126	13	144,358
JA2AXB	298	799	59	102	19	143,820
UA4FEN	392	833	39	129	3	142,443
RK6DG	443	921	37	115	2	141,834
SP3HC	362	830	36	114	20	141,100
OK2SVL	370	810	39	122	12	140,130
SP9FT	408	884	34	115	8	138,788
RW6HP	371	789	46	127	0	136,497
OR6C	340	752	39	127	15	136,112
ER3ZZ	390	916	33	88	27	135,568
YO2MAX	392	867	36	104	16	135,252
IW2MYH	308	678	48	132	19	134,922
W2JU	290	572	49	107	75	132,132
OM1AVK	355	775	34	125	10	130,975
UY5TE	374	806	33	121	5	128,154
OK2SAR	347	761	41	118	9	127,848
RZ6HF	307	693	50	128	4	126,126
SP3DSC	332	746	44	112	13	126,074
DL2ZA	390	816	33	114	6	124,848
DL8HCO	350	739	37	124	7	124,152
SP4BPH	373	811	33	113	7	124,083
HB9AWS	347	752	35	113	16	123,328
SP1DMD	342	735	40	127	0	122,745
WD4GBW	296	764	33	90	37	122,240
DM2LL	317	704	36	125	12	121,792
JA7LMZ	268	698	62	99	13	121,452
SP2GJI	343	788	36	102	16	121,352
ZC4JP	**309**	**865**	**43**	**96**	**1**	**121,100**
OE5PEN	374	800	31	120	0	120,800
OK2SPD	341	764	29	104	25	120,712
VA3PL	304	798	37	89	24	119,700
CN8LI	276	819	33	85	28	119,574
GØUGO	339	728	32	114	18	119,392
N5ER	294	565	48	88	74	118,650
JH7QXJ	285	693	62	93	15	117,810
VE9NC	302	758	27	73	55	117,490
SQ7B	379	807	31	110	3	116,208
NJ1H	286	565	44	90	71	115,825
DGØETE	341	716	34	116	11	115,276
GB6GW	354	822	27	80	33	115,080
SP2MKZ	313	716	35	110	15	114,560
OK1DKO	328	731	35	105	16	114,036
CT1ELF	298	658	36	117	19	113,176
S57X	325	704	38	117	5	112,640
EC8AMI	**295**	**878**	**28**	**90**	**10**	**112,384**
HB9SVT	381	796	25	116	0	112,236
RA3MB	248	566	41	152	3	110,936
DJ1YFK	364	746	32	109	7	110,408
JA1MVK	238	658	55	93	19	109,886
W4TIJ	309	541	43	79	80	109,282
RN3ZHH	331	708	32	122	0	109,032
EA3BDQ	368	807	24	80	31	108,945
IQØEF	307	700	36	98	21	108,500
SM6GKT	332	726	29	103	16	107,448
DL3SCN	294	629	42	119	9	106,930
I5WNN	316	676	32	112	14	106,808
JT1DN	**439**	**996**	**39**	**68**	**0**	**106,572**
VE3FH	256	579	35	76	71	105,378
N2KI	316	577	34	86	62	105,014
RW3XB	327	709	36	111	1	104,932
G3RSD	305	668	32	105	20	104,876
BD5HAM	370	832	48	78	0	104,832
F5RD	302	640	33	113	15	103,040
EA4WC	247	575	45	118	16	102,925
IW2HUS	288	639	30	105	25	102,240
UA9ODU	306	806	33	93	0	101,556
W4LT	296	509	41	78	79	100,782
SP6EIY	263	607	44	108	14	100,762
OE5JKL	**303**	**668**	**35**	**106**	**9**	**100,200**
DL8ZAJ	281	610	42	107	14	99,430
5W1SA	**397**	**1169**	**33**	**40**	**12**	**99,365**
MØVBY	294	644	32	108	14	99,176
DU1IVT	322	946	31	57	13	95,546
W8AKS	239	507	42	92	54	95,316
LX1ER	257	568	41	121	5	94,856
JH1GUO/4	245	604	56	90	11	94,828
EA5QB	256	596	32	100	26	94,168
SP3GAX	284	619	35	106	11	94,088
PY2CX	241	694	30	49	56	93,690
UA3KW	239	569	46	109	9	93,316
WA2MCR	250	458	44	86	72	92,516
W9ILY	279	476	41	79	74	92,344
9V1UV	**296**	**788**	**34**	**77**	**4**	**90,620**
UA9OLO	270	704	37	91	0	90,112
UTØSE	320	675	33	100	0	89,775
SP9AUV	282	598	36	104	8	88,504
4K9W	241	696	32	93	2	88,392
DL2FK	241	564	38	102	16	87,984
OK1ZP	276	637	32	91	15	87,906
YU7DP	296	639	29	98	10	87,543
YV5JBI	188	549	37	89	33	87,291
KB3LIX	232	468	43	84	59	87,048
RN4CA	272	595	39	107	0	86,870
SQ8LEC	289	631	36	101	0	86,447
AM3A	275	591	28	106	12	86,286
OK2PAD	295	631	30	101	5	85,816
LA7CL	307	670	24	92	12	85,760
JA1BNW	227	553	57	90	8	85,715
VE4EAR	248	521	34	52	78	85,444
RU3XB	293	619	28	109	0	84,803
AM7DNX	283	631	30	90	14	84,554
RA9FRD	236	654	35	94	0	84,366
K1RY	279	454	35	65	85	83,990
JA5SUD	197	511	60	92	12	83,804
K3JT	224	482	42	83	48	83,386
OQ4B	248	571	36	90	20	83,366
RW9WF	244	681	27	95	0	83,082
SP2IU	262	595	36	96	7	82,705
KCØNKW	355	483	32	45	94	82,593
N4WO	287	466	34	68	73	81,550
DH2PL	242	529	33	107	13	80,937
RX3RZ	280	604	34	100	0	80,936
ISØLFZ	**276**	**597**	**27**	**103**	**5**	**80,595**
KK9DX	247	551	36	78	32	80,446
ES1GE	229	504	42	114	1	79,128
JA3JM	228	577	49	81	7	79,049
EW4DX	**286**	**640**	**28**	**87**	**7**	**78,080**
RA4AIS	271	574	30	106	0	78,064
W4LSC	246	390	45	61	90	76,440
DC8QT	221	492	38	101	13	74,784
AA7FK	305	453	39	45	81	74,745
OK2PMS	245	531	30	105	5	74,340
DJ2IA	230	506	35	99	10	72,864
KA2CYN	277	444	35	66	62	72,372
K3IXD	264	405	37	63	78	72,090
W4OTN	211	423	35	76	59	71,910
RU2FL	**294**	**625**	**26**	**83**	**6**	**71,875**
VE3JI	205	445	32	59	70	71,645
SP9CV	239	523	32	97	7	71,128
N3CHX	205	411	44	82	46	70,692
SP2IW	235	533	33	91	8	70,356
AM5BZR	243	511	27	97	13	70,007
EA3ALV	209	472	31	105	12	69,856
G4WGE	234	518	27	88	18	68,894
IK5FKF	223	491	36	99	5	68,740
SQ9CND	249	539	31	90	6	68,453
M5AEX	210	476	28	95	20	68,068
S57ONE	238	512	33	89	10	67,584
SP6NIF	172	410	45	117	0	67,568
HF150TG	260	552	29	92	1	67,344
I4HRH	230	516	36	79	15	67,080
KØLDS	260	415	39	48	74	66,815
KØTI	300	446	28	47	74	66,454
KK1X	222	391	32	65	72	66,079
KM4RK	197	376	44	74	57	65,800
PAØLOU	196	443	39	100	9	65,564
EE4E	193	465	34	82	23	64,635
SP6BEN	227	505	27	94	6	64,135
K9BJM	192	392	34	68	58	62,720
ON6OM	224	492	27	80	20	62,484
PD2JAM	252	547	24	78	12	62,358
DK1LRS	254	518	24	96	0	62,160
EC1AIJ	177	379	37	127	0	62,156
DK1AUP	239	504	25	98	0	61,992
JA1BHK	204	492	44	67	15	61,992
SP3IK	219	472	32	97	2	61,832
JA1PJS	196	528	41	63	13	61,776
W7LD	244	398	36	51	66	60,894
EA5XC	253	529	29	86	0	60,835
VA3HJ	189	430	33	60	48	60,630
NP4BM	244	518	20	28	69	60,606
KQ6ES	229	358	39	43	86	60,144
WØBR	221	371	36	64	62	60,102
YU1BFG	250	535	26	77	9	59,920
WA2LUY	181	413	32	73	40	59,885
IS0HQJ	244	549	26	70	13	59,841
EA1ASC	177	406	34	100	13	59,682
HL2SQQ	**218**	**510**	**44**	**66**	**7**	**59,670**
LU6FEH	144	395	41	63	43	58,065
EW7LE	206	463	28	96	0	57,412
EA3EJI	162	388	42	96	9	57,036
KA1C	188	362	32	70	55	56,834
IV3KSE	184	427	25	84	23	56,364
K9JWI	207	355	34	62	62	56,090
DC8SG	196	423	34	89	9	55,836
DGØKS	199	438	25	94	7	55,188
HA3OU	187	421	37	89	5	55,151
BD6IVX	253	544	43	58	0	54,944
JA1ALE	193	432	50	69	7	54,432
UR5MBA	242	542	26	74	0	54,200
F1IWH	200	441	26	82	13	53,361
DF8XC	193	440	30	77	14	53,240
KW7N	246	362	33	35	79	53,214
JG5DHX/5	177	431	46	71	5	52,582
GMØFGI	198	420	23	94	8	52,500
JA2GHP	184	475	40	66	4	52,250
JA9LX	159	417	45	70	10	52,125
DM5JL	193	423	31	83	9	52,029
G4LPD	170	382	36	87	13	51,952
DU7/G4DUM	215	633	32	47	3	51,906
RA6EE	226	499	28	69	7	51,896
N2LK	182	327	39	66	53	51,666
OH2BBT	204	441	28	84	5	51,597
DM5WF	205	429	28	88	4	51,480
KO1H	165	318	38	70	53	51,198
PAØMIR	207	441	27	80	9	51,156
OK2BWK	208	465	23	70	17	51,150
PA3HGF	200	432	27	79	12	50,976
DL1THB	247	523	17	75	5	50,731
IV3XZG	153	371	31	84	19	49,714
DL1DWR	202	428	24	88	4	49,648
PY2SRB	136	370	41	59	33	49,210
DJ6JH	182	416	28	74	15	48,672
VE2LX	163	387	25	55	45	48,375
YL2MR	296	612	19	60	0	48,348
OK1DRQ	127	313	47	102	5	48,202
9A7P	191	418	26	78	11	48,070
UR3AC	215	469	26	69	6	47,369
KP4SAT	137	342	35	64	39	47,196
VE7BSM	189	416	25	43	45	47,008
K7HBN	208	343	32	38	67	46,991
9M6YBG	194	565	30	53	0	46,895
PAØFAW	212	438	21	86	0	46,866
SP9BGS	158	371	34	82	10	46,746
KS4S	155	307	37	71	43	46,357
VE3MCF	177	405	17	42	54	45,765
N7DB	208	331	34	39	65	45,678
W6ZL	176	328	39	44	56	45,592
VE3MGY	145	341	31	60	42	45,353
KSØM	165	346	30	61	40	45,326
K7VIT	212	334	34	36	62	44,088
DF2RG	162	382	33	70	12	43,930
K3NK	159	313	37	62	41	43,820
MØTAZ	220	456	21	75	0	43,776
SP4IRS	196	415	23	81	1	43,575
EA1AHA	151	351	32	79	12	43,173
DL3EBX	225	448	16	80	0	43,008
DL6UAM	192	401	24	76	7	42,907
PY2RH	178	521	16	36	30	42,722
UA4PT	211	484	27	61	0	42,592
UA4PJM	197	415	27	75	0	42,330
W7MRC	223	311	31	33	72	42,296
W2QQ	163	315	36	62	36	42,210
RU4WD	182	385	27	81	0	41,580
OK2BTJ	176	388	29	78	0	41,516
UT7UJ	162	361	35	78	2	41,515
UA1CEC	209	431	18	78	0	41,376
DH1OK	148	339	32	75	14	41,019
DK8EY	162	362	24	66	23	40,906
N2ZN	152	287	31	57	53	40,467
IK2WFN	162	351	28	76	11	40,365
VE7IO	184	404	21	31	47	39,996
F1TRE	144	337	32	74	12	39,766
SP5GMM	149	348	34	78	2	39,672
RA3YAO	230	483	20	62	0	39,606
VA7PX	176	377	24	27	54	39,585
ISØUWS	161	356	26	76	9	39,516
G6CSY	177	361	23	80	4	38,627
SP6RGC	178	394	23	69	5	38,218
PY2MTV	141	396	24	41	31	38,016
YU1RP	152	334	27	78	7	37,408
UR7EQ	146	342	32	77	0	37,278

RU9AZ/9	176	471	20	59	0	37,209
DL6RBH	165	353	24	71	10	37,065
HA5OMM	196	416	20	69	0	37,024
IK3WUB	154	348	27	69	10	36,888
WA4LOX	131	275	41	60	33	36,850
DK1AX	158	336	25	75	9	36,624
JH3PTC	136	331	46	63	0	36,079
AN5CNK	156	339	24	72	10	35,934
WW8Q	184	290	25	40	58	35,670
RV6BO	178	386	21	71	0	35,512
DH4BM	188	371	17	78	0	35,245
G7TMU	173	376	18	66	9	34,968
RW3WX	167	335	28	76	0	34,840
K2MK	148	255	31	49	56	34,680
JJ1WWL/1	129	324	42	54	11	34,668
EA7DK	139	308	29	79	4	34,496
JA1CPZ	108	302	35	64	12	33,522
RD3ZE	166	348	22	74	0	33,408
VE3WDM	137	315	23	45	38	33,390
N1KEZ	181	285	24	26	67	33,345
G7TWC	180	385	21	54	11	33,110
DL1NRC	121	306	29	68	11	33,048
UN7CN	159	429	24	53	0	33,033
VA7RY	150	317	25	24	55	32,968
K4AQ	124	269	30	61	31	32,818
WA5ZUP	215	289	26	24	62	32,368
KC2SZ	141	247	32	50	49	32,357
JA1XPU	143	310	43	55	6	32,240
W7VXS	225	324	23	25	51	32,076
W3BUI	127	284	26	53	33	31,808
K5DHY	168	238	31	38	64	31,654
DK9ETM	183	380	14	62	7	31,540
RV3WD	155	332	21	74	0	31,540
TA1EE	**198**	**419**	**19**	**54**	**2**	**31,425**
ABØUK	184	283	27	33	51	31,413
RV3BZ	171	349	22	68	0	31,410
WD9FTZ	114	209	37	53	60	31,350
VE3VC	113	274	30	54	30	31,236
W1CTN	136	264	26	51	41	31,152
S51NM	118	280	27	69	15	31,080
GMØAXY	137	307	19	67	15	31,007
C91R	**173**	**513**	**15**	**42**	**3**	**30,780**
MØRTI	140	297	23	76	4	30,591
K4BX	146	242	28	44	54	30,492
PA2CVD	158	338	19	61	10	30,420
HB9VID	117	273	25	74	12	30,303
TM9RWC	144	306	21	74	4	30,294
OK2SWD	163	361	16	55	12	29,963
JK2KNR	110	277	44	59	5	29,916
KB1MIC	136	243	25	49	49	29,889
JA1EMQ	117	312	35	54	6	29,640
RA9SKL	160	440	17	50	0	29,480
N9LYE	157	230	31	38	58	29,210
K8OT	124	292	27	55	18	29,200
OM7YC	129	310	22	59	13	29,140
IW8PQ	150	319	20	63	8	29,029
UA1AFZ	168	356	20	61	0	28,836
KAØEIC	156	238	29	34	58	28,798
JA1IZ	118	309	34	50	9	28,737
KØGEO	156	239	30	40	50	28,680
JF9KVT	121	307	37	49	7	28,551
IW5ALG	127	304	22	56	15	28,272
ISØVSG	104	276	25	57	20	28,152
AA7IH	168	270	25	33	46	28,080
RU3PU	122	271	29	74	0	27,913
PT8CWA	105	278	32	41	27	27,800
OH2LZI	153	346	18	61	1	27,680
IKØWRB	112	261	33	65	8	27,666
DH6AB	148	335	20	59	3	27,470
EA6BF	110	263	30	64	10	27,352
IW2ENA	116	273	29	65	6	27,300
KB1CJ	134	216	27	40	57	26,784
PE2AE	163	336	17	62	0	26,544
MMØRKT	143	312	13	59	13	26,520
SP6BSL	104	255	26	63	15	26,520
7N4WZI	109	244	44	58	5	26,108
IK5ZTT	174	347	17	58	0	26,025
CM2KY	140	292	15	21	53	25,988
EA1NE	106	265	25	48	25	25,970
DK7UM	119	256	27	72	1	25,600
US5EEK	139	296	28	57	1	25,456
DL3DRN	135	278	24	67	0	25,298
PA3CWQ	121	265	26	61	7	24,910
RV3LO	115	248	22	78	0	24,800
SP2HXY	143	295	16	66	2	24,780
WA8SDA	120	225	26	45	39	24,750
WB8MKH	166	224	22	24	64	24,640
EB1EGO	108	246	28	66	6	24,600
K4MIL	121	221	24	43	44	24,531
VK2GR	95	260	38	44	12	24,440
K7BAA	125	232	27	33	44	24,128
IW1CKR	122	268	20	62	8	24,120
UA3UHZ	128	282	22	62	0	23,688
JL2CZY	111	269	36	47	5	23,672
JK1NSR	108	283	29	49	5	23,489
WP3GW	95	227	30	51	22	23,381
R3AA	112	253	30	62	0	23,276
KP4GC	88	227	30	52	19	22,927
KOØZ	111	195	27	43	47	22,815
RW3TA	123	278	18	64	0	22,796
VE6DJT	130	277	17	20	44	22,437
K3QF	93	240	24	62	7	22,320
SM7CWI	100	229	24	64	9	22,213
LZ2DF	143	300	17	57	0	22,200
KE5OG	126	209	25	27	53	21,945
DK3WJ	99	237	23	54	14	21,567
IK2NCF	117	248	21	65	0	21,328
DS5DNO	107	257	36	45	1	21,074
RW4FX	108	242	26	61	0	21,054
YO8SAI	143	314	14	52	1	21,038
WØZQ	129	204	24	33	45	20,808
VK3TDX	100	270	33	33	11	20,790
DK3PM	99	213	17	79	0	20,448
RW4LQ	75	202	41	58	2	20,402
IWØGYC	100	219	28	64	0	20,148
VE3TES	149	292	10	8	51	20,148
WD4LBR	103	195	27	42	33	19,890
WA9AFM/5	158	196	20	19	62	19,796
IZ1JOQ	108	238	18	61	4	19,754
KI3O	88	191	29	49	25	19,673
IW6PWC	117	255	21	56	0	19,635
EA7EYQ	86	207	28	65	1	19,458
HB9TSU	117	246	17	61	0	19,188
KC6G	126	186	25	22	56	19,158
KG4IGC	103	177	34	40	34	19,116
RW3XZ	103	222	25	61	0	19,092
RU3VD	70	189	35	54	10	18,711
K3SV	96	180	22	42	39	18,540
DJ6UP	106	237	21	55	2	18,486
KM6HB	131	203	24	22	45	18,473
VE2FFE	97	214	20	31	34	18,190

RA3PLQ	122	249	20	53	0	18,177
AO7C	79	197	29	47	16	18,124
W5JE	93	209	25	43	18	17,974
N1SXL	104	187	21	32	43	17,952
DL1ARD	94	212	27	53	3	17,596
USØYA	77	199	28	50	10	17,512
EA7FIQ	78	196	24	47	18	17,444
WA4OSD	101	172	24	33	43	17,200
YO3FOM	93	214	21	49	10	17,120
JE8NTJ	96	216	35	37	7	17,064
DL4TL	98	227	23	47	5	17,025
PA7HPH	111	236	17	55	0	16,992
KB3KXX	80	169	28	50	22	16,900
UA4LL	118	257	17	48	0	16,705
KØMPH	115	160	23	27	54	16,640
RA3VR	115	234	19	52	0	16,614
W8IDM	100	202	20	42	20	16,564
WB2WPM	92	212	19	42	17	16,536
OZ5AGJ	116	239	15	51	3	16,491
JA1RQT	77	191	34	46	6	16,426
RA6FUZ	114	248	18	47	0	16,120
ZS1JY	79	230	21	41	8	16,100
SM5S	99	209	19	56	2	16,093
LA4RT	115	246	14	51	0	15,990
NC6P	98	178	27	25	37	15,842
W1SRD	87	178	27	32	29	15,664
SP8FHJ	107	237	18	46	0	15,168
UT5NM	112	229	17	49	0	15,114
SP1DTG	68	177	24	45	16	15,045
N1WQ	111	178	19	30	35	14,952
DL7UGO	83	203	24	37	12	14,819
PA5KT	100	206	16	53	2	14,626
W4GHD	67	163	29	45	14	14,344
EA3DEN	104	219	12	51	2	14,235
IK2SGF	96	236	12	27	21	14,160
UA1ORK	74	179	25	54	0	14,141
OE1TKW	77	179	23	49	6	13,962
IK2MLS	79	168	26	53	4	13,944
UR5EIT	77	182	24	50	2	13,832
DL3DXF	100	218	16	47	0	13,734
JA8EIU	87	203	27	39	1	13,601
6I2RC	77	175	25	27	25	13,475
PA3EWG	96	201	15	49	3	13,467
IK2EBP	76	168	26	48	5	13,272
DL5SWB	113	236	12	44	0	13,216
OK2PHI	93	200	19	45	2	13,200
DC3FR	70	168	22	45	11	13,104
VE7HBS	99	200	15	14	34	12,600
DL5KMS	78	171	20	53	0	12,483
N8IE	75	178	16	38	16	12,460
KA1VMG	72	175	17	37	17	12,425
YB5AQB	77	197	28	34	1	12,411
JA1IWP	62	160	33	42	2	12,320
DL1DBR	87	186	17	45	4	12,276
DF2AP	95	196	13	47	0	11,760
IZ2GMT	63	147	23	45	12	11,760
N3RDV	74	150	18	36	24	11,700
YO6AJI	72	160	26	47	0	11,680
IK4UNH	81	181	19	44	0	11,403
DO9ST	139	259	8	36	0	11,396
SP6NVK	90	207	15	38	2	11,385
DK3AX	85	188	20	39	0	11,092
VA7ALK	97	213	13	16	23	11,076
IKØTUM	53	142	33	44	0	10,934
K5DKH	108	160	16	20	32	10,880
UA3UBT	83	197	14	40	1	10,835
SP6XP	87	194	15	40	0	10,670
G4HBI	67	151	15	48	7	10,570
DL1WE	78	166	16	47	0	10,458
ND4X	69	129	23	32	26	10,449
W7NNN	97	138	19	18	37	10,212
KB3KOT	66	118	25	32	28	10,030
JQ1AHZ/6	70	168	26	33	0	9,912
KA6GDT	78	132	20	19	34	9,636
KØRY	91	137	16	19	35	9,590
DF6WE	80	173	17	38	0	9,515
KI4NEC	71	156	13	29	18	9,360
DO6GZ	104	197	11	36	0	9,259
PV8IG	60	139	28	38	0	9,174
K6BIR	76	124	18	17	38	9,052
N3UA	60	117	24	30	23	9,009
US3LX	64	138	17	47	0	8,832
YY7ABC	50	138	21	21	22	8,832
9M2/G4VGO	65	157	23	32	1	8,792
IW3SOM	71	154	17	34	6	8,778
KB8NNU	80	110	19	20	40	8,690
UA9OV	75	193	15	30	0	8,685
UT8EU	52	130	22	43	0	8,450
LW5EAE	59	156	22	26	6	8,424
N7GVV	63	109	23	27	27	8,393
DL6RCK	69	152	15	40	0	8,360
DL1TPY	73	167	15	30	4	8,183
ON47FOUGA	84	174	11	31	5	8,178
DS5DYM	99	208	17	19	3	8,112
SP3BGD	59	135	19	40	1	8,100
DL4DG	79	165	9	40	0	8,085
RX9DJ	70	188	13	29	0	7,896
DG3RCE	63	140	18	37	0	7,700
SM5OSZ	70	144	13	38	0	7,344
EA5CIU	77	160	10	34	1	7,200
LU7FWV	47	121	24	32	0	6,776
G3VQO	64	135	15	34	0	6,615
EA5GTQ	49	112	15	40	4	6,608
ZS2Y	46	129	16	33	1	6,450
DK4IO	63	137	14	30	3	6,439
JJ2PUG	51	126	21	28	2	6,426
RAØAY	47	121	22	29	0	6,171
I1YGQ	55	113	14	40	0	6,102
VE3KAO	53	106	14	18	25	6,042
SP4DC	60	133	11	34	0	5,985
HL5YI	50	120	24	24	1	5,880
YY1LCR	46	119	18	31	0	5,831
KC2GLG	52	95	15	21	25	5,795
W7BCC	76	105	11	10	34	5,775
K3FH	56	84	19	19	29	5,628
N5ZC	51	84	22	19	26	5,628
DRØT	49	104	13	35	5	5,512
SP9IHP	37	108	18	25	7	5,400
VK7CAV	42	113	18	17	11	5,198
WB5NMZ	36	92	22	32	0	4,968
SM6CDN	47	112	13	26	5	4,928
RA6AAW	35	89	20	32	2	4,806
JA1OHP	38	90	23	30	0	4,770
KJ7NO	40	92	20	23	8	4,692
EB1DMQ	50	103	11	34	0	4,635
SQ6MIZ	45	98	13	31	2	4,508
F2FZ	33	91	19	24	6	4,459
W7GTO	54	89	17	13	20	4,450
WB2HTO	44	86	14	24	10	4,128
LW7HE	39	90	19	26	0	4,050
DK8LRF	48	111	12	20	4	3,996

VE3NCQ	38	79	16	18	15	3,871
N3VOP	35	75	16	24	11	3,825
OZ1DGQ	46	100	10	27	0	3,700
IZ5IOM/5	44	97	12	26	0	3,686
RK3DSW	44	94	11	28	0	3,666
EI9ES	44	97	7	23	5	3,395
SP3AOT	41	90	12	25	0	3,330
SMØEPO	49	99	9	24	0	3,267
W8TK	29	82	13	22	0	2,870
DO6SVK	48	87	10	22	0	2,784
RA3TYL	40	92	9	21	0	2,760
W1HBR	36	57	13	15	18	2,622
VE3XAT	28	63	13	15	13	2,583
N4MUH	39	60	9	13	21	2,580
W2RLK	30	82	8	21	0	2,378
IZ5HQB	26	64	14	19	3	2,304
JA3AVO	21	60	18	19	1	2,280
IW1EQA	31	64	13	22	0	2,240
VE3AJ	25	55	14	17	9	2,200
KN3A	28	61	9	17	10	2,196
K4WNW	33	63	6	12	16	2,142
JF1CKO	27	66	13	18	0	2,046
VE3CW	26	52	11	10	17	1,976
SP2DKI	35	70	7	17	0	1,680
K1GU	26	67	6	13	5	1,608
WG4M	25	41	13	14	12	1,599
LA6BNA	29	57	7	20	0	1,539
DL5IAA	25	45	10	20	0	1,350
PY1DX	18	46	11	13	3	1,242
AI4G	22	40	12	11	8	1,240
KA2ANF	18	45	10	14	3	1,215
VE3LXL	22	44	7	6	12	1,100
SM5FUG	20	43	8	16	0	1,032
HB9TJW	20	40	6	19	0	1,000
EA3KN	15	36	13	14	0	972
EA1FAE	13	38	12	13	0	950
VE3TPZ	15	30	7	7	10	720
KK5JY	14	35	9	11	0	700
YO8RZE	15	34	9	11	0	680
KØXU	16	24	10	8	10	672
IZØFVD	15	35	8	10	0	630
D44AC	12	26	11	12	0	598
9A5YY	11	32	7	6	5	576
JH8KYU/1	10	26	9	7	1	442
AA9UF	10	24	6	10	2	432
RW9WW	9	27	6	9	0	405
KJ1J	11	17	7	5	8	340
LY2CV	11	25	6	6	0	300
WA4CYP	9	20	6	6	2	280
K9QH	7	17	3	6	2	187
PY2KP	8	18	3	4	0	126
F1OK	2	4	2	2	0	16

Single Operator, 10 Meters

LU1HF	**360**	**1045**	**20**	**55**	**38**	**118,085**
LQ5H	157	455	16	25	29	31,850
LW1HR	111	312	15	21	23	18,408
CT1AOZ	102	224	7	25	0	7,168
F8DBF	86	187	8	26	0	6,358
JA6WJL	51	103	13	21	0	3,502
CU2AF	35	89	7	15	0	1,958
ABØOX	22	54	4	5	4	702
9A2DI	10	22	6	7	0	286
JE2SOY	10	21	5	6	0	231

Single Operator, 15 Meters

LS1D	**1033**	**3047**	**24**	**85**	**53**	**493,614**
LU7HN	**892**	**2635**	**22**	**78**	**53**	**403,155**
NP2/AK2P	**649**	**1571**	**21**	**57**	**45**	**193,233**
PR5Z	**435**	**1263**	**21**	**61**	**45**	**160,401**
D2NX	**390**	**1157**	**17**	**57**	**6**	**92,560**
9A2DQ	**294**	**677**	**27**	**77**	**2**	**71,762**
SV8CS	**306**	**725**	**26**	**71**	**0**	**70,325**
YC8EXL	**284**	**837**	**22**	**55**	**0**	**64,449**
S5ØA	**301**	**664**	**24**	**71**	**1**	**63,744**
UN7GCE	**264**	**668**	**25**	**63**	**0**	**58,784**
IV3SKB	**271**	**587**	**22**	**72**	**1**	**55,765**
YBØKYM	259	770	15	46	0	46,970
IZ7CDB	229	521	21	65	0	44,806
LZ5W	**214**	**509**	**22**	**64**	**0**	**43,774**
EA8AG	**189**	**555**	**18**	**59**	**0**	**42,735**
VK4EJ	**212**	**615**	**21**	**30**	**15**	**40,590**
YU1BN	**200**	**455**	**20**	**54**	**0**	**33,670**
K4EA	**166**	**330**	**21**	**38**	**30**	**29,370**
RC4Q	**114**	**308**	**24**	**40**	**0**	**19,712**
N5ZM	**145**	**274**	**17**	**26**	**28**	**19,454**
J49XB	**102**	**276**	**25**	**44**	**0**	**19,044**
JH7RTQ	**124**	**285**	**25**	**39**	**1**	**18,525**
SP9DSD	**96**	**231**	**18**	**50**	**0**	**15,708**
YO9BXC	**69**	**174**	**19**	**40**	**0**	**10,266**
SV1UT	56	156	20	31	0	7,956
JG3FEA	66	165	19	29	0	7,920
JR3RIY	69	170	17	28	0	7,650
UN7TW	46	119	14	31	0	5,355
VU2PTT	**42**	**103**	**17**	**25**	**0**	**4,326**
YC8EL	37	109	14	25	0	4,251
YC1UUU	54	156	12	14	0	4,056
IKØEIE	46	121	12	19	0	3,751
IW1QN	40	98	12	22	0	3,332
JR1NKN	33	79	13	20	0	2,607
PY2EQ	30	77	12	14	7	2,541
RA3SL	21	51	10	18	0	1,428
PS7YL	19	51	8	8	7	1,173
7K3OZQ	15	37	10	11	0	777
PU8TFA	7	18	4	6	0	180
UA9QF	8	19	4	5	0	171
W5KI	5	13	3	3	1	91
VK2KDP	4	12	3	2	0	60

Single Operator, 20 Meters

9A5W	**1625**	**4079**	**37**	**116**	**53**	**840,274**
TM7XX	**1580**	**3845**	**34**	**100**	**55**	**726,705**
LY2IJ	**1257**	**3079**	**37**	**118**	**48**	**625,037**
ZC4LI	**1342**	**3899**	**30**	**91**	**39**	**623,840**
ZV5R/1	**1014**	**2996**	**27**	**88**	**54**	**506,324**
G3TXF	**1195**	**2943**	**29**	**90**	**49**	**494,424**
WP2/AH8DX	**1192**	**2935**	**27**	**85**	**56**	**493,080**
RG9A	**1098**	**3075**	**32**	**102**	**21**	**476,625**
WP2/K4FO	1099	2856	23	82	55	456,960
S58P	**984**	**2465**	**34**	**102**	**46**	**448,630**
JA6ZPR	**1020**	**2878**	**33**	**93**	**26**	**437,456**
YTØA	**996**	**2411**	**33**	**88**	**42**	**392,993**
YT2B	1036	2511	28	80	47	389,205
IV3NDC	**871**	**2173**	**32**	**98**	**49**	**388,967**
EA5EN	**893**	**2149**	**31**	**97**	**49**	**380,373**
VE2RYY	**894**	**2320**	**26**	**90**	**47**	**378,160**
IT9STX	**955**	**2284**	**29**	**86**	**50**	**376,860**
JA6WFM	965	2694	30	78	31	374,466
IN3VVK	834	1994	34	100	43	352,938
SN6Z	**764**	**1924**	**34**	**107**	**41**	**350,168**
N2TTA	**880**	**2239**	**24**	**86**	**44**	**344,806**
PY2NY	785	2324	24	69	52	336,980
WN1GIV	**1092**	**2064**	**25**	**78**	**57**	**330,240**
YO3JF	**882**	**2010**	**30**	**92**	**36**	**317,580**
RK3DZB	**845**	**1941**	**33**	**101**	**27**	**312,501**
UQ1D	**1060**	**2882**	**25**	**76**	**3**	**299,728**
AO7HBP	957	2125	23	71	40	284,750
YU7AE	715	1697	32	94	39	280,005
SU8BHI	**865**	**2592**	**14**	**58**	**24**	**248,832**
4Z5ML	**728**	**2135**	**19**	**69**	**22**	**234,850**
YT1VP	547	1290	30	90	37	202,530
SP4TXI	501	1253	29	85	32	182,938
CX4AAJ	**443**	**1308**	**22**	**75**	**42**	**181,812**
BD7KLO	**621**	**1636**	**28**	**67**	**13**	**176,688**
RVØAL	686	1874	21	69	0	168,660
T94PA	**580**	**1351**	**20**	**62**	**38**	**162,120**
EU1AZ	**557**	**1275**	**26**	**73**	**22**	**154,275**
OE2S	**474**	**1173**	**22**	**66**	**41**	**151,317**
XE2YBG	**565**	**1175**	**18**	**35**	**53**	**124,550**
JE1LFX	419	1105	25	61	23	120,445
XE1CT	440	973	22	48	53	119,679
EA2RY	404	930	23	76	28	118,110
IZ7CRW	418	964	23	67	30	115,680
DL3BQA	366	864	27	82	22	113,184
TG9SM	**478**	**1008**	**17**	**41**	**52**	**110,880**
OK5MM	402	1014	23	56	30	110,526
W7WW	**524**	**814**	**24**	**54**	**52**	**105,820**
RA6AFB	403	936	25	75	13	105,768
ES4RD	**344**	**851**	**26**	**82**	**15**	**104,673**
HL3AMO	**338**	**892**	**31**	**74**	**11**	**103,472**
RK6CK	464	1023	22	65	14	103,323
SP2JLR	332	803	25	80	20	100,375
UA4WAU	555	1178	19	63	1	97,774
HB9ODP	**346**	**859**	**19**	**59**	**35**	**97,067**
RNØSS	505	1283	17	54	2	93,659
LY1R	**345**	**864**	**22**	**56**	**29**	**92,448**
IK8SEU	356	824	20	61	26	88,168
EC4AIU	460	961	16	55	15	82,646
OQ5A	**282**	**721**	**20**	**50**	**38**	**77,868**
K7RE	**377**	**643**	**21**	**62**	**38**	**77,803**
YV1FM	**249**	**727**	**16**	**53**	**36**	**76,335**
W4LC	269	667	18	68	28	76,038
RW6AH	426	912	17	58	8	75,696
OK4BX	269	655	25	69	21	75,325
OK1VRF	259	654	24	71	20	75,210
UR8QR	320	737	21	67	8	70,752
YBØJIV	**324**	**951**	**20**	**53**	**1**	**70,374**
SP2HPD	287	667	22	63	16	67,367
G3KMQ	265	620	21	65	21	66,340
TG9ADQ	305	654	17	38	46	66,054
UA1NFA	255	639	24	65	7	61,344
DL5JS	257	607	20	61	19	60,700
YBØEIN	279	818	18	54	0	58,896
JA7COI	222	605	28	52	17	58,685
RA3UAG	252	579	22	70	7	57,321
JK3GWT	243	656	23	56	8	57,072
EA5ET	253	598	16	55	22	55,614
KP4AH	**264**	**582**	**15**	**36**	**40**	**52,962**
CT1BNW	**241**	**546**	**18**	**51**	**25**	**51,324**
SP3AMZ	214	515	23	65	11	50,985
YB2ECG	245	718	19	48	3	50,260
HR2DMR	**299**	**625**	**11**	**20**	**49**	**50,000**
F4EUN	221	509	19	62	14	48,355
SV1FJN	**360**	**749**	**10**	**38**	**15**	**47,187**
IQ8OM/7	283	621	10	37	27	45,954
DU1UGZ	**243**	**710**	**18**	**42**	**3**	**44,730**
4Z5TA	266	756	15	44	0	44,604
LY3UV	243	538	20	60	0	43,040
IZ8FDG	244	537	15	48	16	42,423
OT4P	172	409	20	62	18	40,900
SP4CJA	207	480	18	55	12	40,800
RZ9OJ	246	672	14	46	0	40,320
EA5AX	233	508	17	59	0	38,608
JF1WQC	182	478	23	46	11	38,240
IK2QIN	171	397	19	54	15	34,936
RK9AJZ	241	679	11	40	0	34,629
LU9DTC	133	383	20	44	21	32,555
GM7TUD	**163**	**383**	**17**	**54**	**11**	**31,406**
KEØL	232	365	16	43	27	31,390
SP9CTS	183	418	18	47	9	30,932
UX2MF	208	468	14	52	0	30,888
PA1WLB	194	415	15	45	12	29,880
OD5NF	**199**	**592**	**9**	**36**	**5**	**29,600**
DL8RCL	153	356	18	53	10	28,836
SV3EXU	234	492	11	40	7	28,536
DJ2TH	183	417	17	45	6	28,356
JH2NWP	166	448	17	41	4	27,776
I4JEE	153	358	15	50	12	27,566
UR6QS	159	372	18	51	5	27,528
VA3TTU	119	311	20	54	12	26,746
RA9UN	181	456	14	44	0	26,448
AI3Q	**129**	**360**	**15**	**49**	**5**	**24,840**
PY2IQ	120	344	14	44	13	24,424
JA3BVJ	136	359	19	49	0	24,412
UX5HY	145	336	15	48	9	24,192
TA3YJ	**204**	**607**	**6**	**32**	**1**	**23,673**
UR7QM	196	414	10	45	2	23,598
AKØA	193	290	17	30	34	23,490
RA9AFZ	149	405	14	44	0	23,490
RA6FZ	140	323	17	52	3	23,256
IK1ODT	115	292	16	44	18	22,776
RN4HGJ	196	425	12	40	0	22,100
TI2KAC	116	268	17	29	36	21,976
ON4KGL	128	308	14	42	15	21,868
PDØWR	160	350	11	42	4	19,950
IWØUWE	**131**	**290**	**14**	**52**	**0**	**19,140**
RD3QX	133	298	15	49	0	19,072
TA3BQ	122	354	10	38	5	18,762
GW3NJW	150	317	12	40	7	18,703
KL8DX	131	292	15	21	28	18,688
RA9QBD	133	370	11	39	0	18,500
FM1HN	**101**	**272**	**16**	**42**	**10**	**18,496**
N2CU	**94**	**237**	**17**	**49**	**11**	**18,249**
UT2AU	137	321	12	42	0	17,334
JA1BFN	107	285	19	32	9	17,100
RZ3ATE	120	262	16	49	0	17,030
YO3BL	115	269	16	36	11	16,947
EA5FIV	108	241	15	43	7	15,665
UR5ZMK	138	302	10	37	4	15,402
WNØL	95	256	16	44	0	15,360
F5TMJ	105	229	16	47	4	15,343
BD4ITN	176	383	16	20	4	15,320
JA2BHJ	98	260	17	32	9	15,080
K4FPF	84	199	16	44	12	14,328
EA4EQD	92	212	11	44	12	14,204
EW7EW	114	263	12	41	0	13,939
VE3JAQ	86	218	13	41	9	13,734
VE3FJ	84	206	16	37	13	13,596
DJ6AR	84	199	14	42	11	13,333
RW3AI	108	234	13	42	1	13,104
UTØET	87	197	12	43	5	11,820

IZ8HUJ	141	294	8	26	4	11,172
RV3YR	87	198	11	35	6	10,296
VR2YQU	76	200	14	37	0	10,200
RA9FEU	92	262	8	29	0	9,694
F8FDN	80	179	11	36	7	9,666
IZ8JAI	84	189	13	33	4	9,450
M5AAV	90	188	7	33	3	8,084
FO5PS	**64**	**178**	**13**	**15**	**17**	**8,010**
IN3OWY/I2	77	169	12	30	5	7,943
OM5MX	65	166	12	25	10	7,802
SP6BBE	87	184	8	33	0	7,544
SP5CQI	77	171	8	29	6	7,353
DG1RZH	73	160	8	30	1	6,240
JE8CLT	53	141	15	24	5	6,204
DL9XAW	67	147	8	27	7	6,174
KP4JRS	62	131	10	10	27	6,157
K9WX	70	126	13	22	13	6,048
W9VQ	50	112	15	30	9	6,048
KC7V	47	106	17	25	13	5,830
DL6SFR	57	130	10	29	5	5,720
BD7JLR	53	151	10	27	0	5,587
W6RKC	67	104	13	15	24	5,408
RW9SZ	55	153	8	24	0	4,896
YO5OHY	47	112	12	24	5	4,592
ES4MM	58	139	9	24	0	4,587
VE6CNU	46	105	12	14	14	4,200
KG4NET	41	91	13	23	9	4,095
DG3FA	49	113	10	26	0	4,068
EC1CTV	45	95	6	30	0	3,420
EA5KV	61	123	5	18	0	2,829
IZ8GNH	35	85	8	15	8	2,635
OF6M	39	87	10	20	0	2,610
BA3RJ	50	107	10	13	0	2,461
IW2KGF	38	85	8	17	3	2,380
VA3NWW	28	66	9	13	10	2,112
EA3AAO	30	68	7	23	0	2,040
K3OQ	28	60	10	16	8	2,040
W1MAW	24	53	11	19	4	1,802
N4CW/1	41	58	8	8	14	1,740
RX3MM	28	67	7	16	0	1,541
KL7DX	31	69	5	5	4	966
JK1LUY	18	44	9	11	1	924
SQ9FCH	21	49	5	13	0	882
WO4O	17	43	6	11	3	860
G8UYD	24	50	4	13	0	850
KCØRET	24	33	8	7	9	792
SP5XOV	18	44	7	10	0	748
RA4LK	13	35	9	11	0	700
EA4AFP	10	26	7	10	0	442
EA2CCG	11	24	4	10	0	336
KA4OTB	8	21	3	8	0	231
YBØECT	8	22	4	6	0	220
YO2CMI	5	13	5	5	0	130
IW1GGN	2	6	2	2	0	24
XE2RV	1	3	1	1	0	6

Single Operator, 40 Meters

7XØRY	**1196**	**3576**	**30**	**92**	**31**	**547,128**
KP2/NP3D	**1156**	**2850**	**26**	**88**	**55**	**481,650**
I4IKW	**1147**	**2707**	**32**	**102**	**42**	**476,432**
KH6ND	**903**	**2669**	**29**	**65**	**54**	**395,012**
UT2II	**1056**	**2386**	**31**	**95**	**25**	**360,286**
UK9AA	**997**	**2798**	**29**	**86**	**7**	**341,356**
SQ9UM	**936**	**2129**	**29**	**99**	**30**	**336,382**
WW4LL	**969**	**1894**	**25**	**74**	**54**	**289,782**
YL7A	**772**	**1724**	**31**	**93**	**7**	**225,844**
4M5RY	**475**	**1409**	**25**	**66**	**53**	**202,896**
JA6GCE	**572**	**1535**	**28**	**76**	**17**	**185,735**
DL2MWB	**632**	**1340**	**24**	**80**	**26**	**174,200**
VA1CHP	**555**	**1269**	**21**	**63**	**48**	**167,508**
YV6BTF	**379**	**1123**	**21**	**69**	**42**	**148,236**
UT4ZG	541	1178	25	77	7	128,402
ES5RY	**542**	**1179**	**24**	**72**	**0**	**113,184**
UT7U	437	966	24	75	6	101,430
SP7IIT	481	1028	18	71	5	96,632
YO4DFT	**471**	**997**	**14**	**59**	**11**	**83,748**
HC1JQ	**239**	**699**	**21**	**58**	**37**	**81,084**
WØGJ	**444**	**658**	**22**	**43**	**52**	**76,986**
ZL3TE	**244**	**707**	**24**	**46**	**33**	**72,821**
VE3NZ	**286**	**620**	**19**	**49**	**44**	**69,440**
SP6AXW	397	836	17	62	3	68,552
IW7EFC	430	849	13	55	12	67,920
HR2/LT0E	**291**	**626**	**20**	**39**	**47**	**66,356**
W1TY	**324**	**537**	**19**	**51**	**52**	**65,514**
YU1NSK	**422**	**885**	**12**	**54**	**8**	**65,490**
UT5SA	425	871	13	57	1	61,841
USØHZ	342	735	17	65	0	60,270
WA1FCN	**386**	**546**	**18**	**38**	**49**	**57,330**
JH1RFM	233	617	25	51	15	56,147
LZ1QV	**319**	**680**	**16**	**58**	**6**	**54,400**
9A5ANB	**267**	**590**	**16**	**62**	**14**	**54,280**
F8CDM	307	645	16	59	6	52,245
DK1AW	291	618	15	56	11	50,676
TA3J	**265**	**787**	**9**	**42**	**9**	**47,220**
EW4MM	316	671	15	51	0	44,286
RL3AW	246	532	18	63	0	43,092
RZ3EC	244	524	19	63	0	42,968
DJ1AA	208	450	19	61	9	40,050
VE3/N2WQ	216	453	15	29	44	39,864
RK9AX	192	531	19	53	0	38,232
IKØXBX	233	488	13	49	15	37,576
DKØAE	204	442	17	59	9	37,570
AA4VV	160	360	19	54	28	36,360
SP3VSE	262	548	12	50	3	35,620
DL4ØRRDXA	197	423	18	58	7	35,109
SP9EMI	221	473	13	51	7	33,583
DJ2XC	234	493	14	54	0	33,524
S58WW	223	467	13	42	6	28,487
UX4LA	202	423	11	51	0	26,226
BD4SP	**167**	**404**	**21**	**40**	**3**	**25,856**
JO1WKO	144	378	22	37	9	25,704
K2PAL	163	271	16	35	37	23,848
JA7MJ	137	346	22	34	8	22,144
JH3CUL	161	352	19	35	7	21,472
TG9ANF	**156**	**325**	**10**	**13**	**42**	**21,125**
9A3IJ	133	303	13	48	7	20,604
JH1APZ	115	300	23	36	9	20,400
LA2IJ	**173**	**360**	**8**	**48**	**0**	**20,160**
HAØGK	**180**	**379**	**8**	**45**	**0**	**20,087**
RA3VIA	146	324	11	50	0	19,764
UT2M	176	363	11	43	0	19,602
RA6YDX	88	217	17	56	6	17,143
CO2OT	**118**	**250**	**13**	**21**	**34**	**17,000**
LY2SA	**110**	**238**	**13**	**40**	**0**	**12,614**
EA7JB	**100**	**210**	**12**	**42**	**3**	**11,970**
OE4VIE	**139**	**282**	**7**	**34**	**0**	**11,562**
W9SE	146	192	10	13	36	11,328
LZ2ZG	95	209	11	41	1	11,077
LU8ADX	65	189	14	18	13	8,505
HK3O	48	139	18	24	8	6,950
LA9QNA	88	179	5	31	0	6,444
OH1FFN	103	206	6	25	0	6,386
PY2OC	42	120	13	29	1	5,160
VE3RCN	53	106	9	10	27	4,876
DS5KJR	91	190	11	14	0	4,750
SP9RQH	57	121	7	26	0	3,993
W5AJ	48	83	12	21	15	3,984
WØLM	54	86	11	13	22	3,956
T99D	79	158	4	19	0	3,634
AF6BS	52	79	11	10	23	3,476
W2KKZ	43	73	10	17	16	3,139
YL2II	46	97	7	23	0	2,910
IT9IZY	32	82	8	14	10	2,624
NRØL	46	64	8	8	21	2,368
SP5XO	23	52	8	23	0	1,612
OK1LO	27	60	7	17	1	1,500
BD4SI	24	52	8	10	0	936
PU2LSM	17	41	8	10	0	738
JA8UON	16	33	9	10	1	660
RWØAR	10	28	7	10	0	476

Single Operator, 80 Meters

S57AW	**946**	**2043**	**21**	**75**	**29**	**255,375**
S54E	**895**	**1953**	**21**	**73**	**32**	**246,078**
OL6X	**947**	**2007**	**19**	**70**	**30**	**238,833**
IQ1RY	829	1755	18	68	31	205,335
SO4M	816	1699	22	75	19	197,084
F4DXW	742	1584	17	63	31	175,824
I4AVG	715	1519	21	63	30	173,166
HA8BE	678	1405	17	65	9	127,855
HA1YI	516	1053	13	57	8	82,134
YT1AD	544	1120	10	55	8	81,760
DJ6BQ	527	997	13	56	13	81,754
OK2CLW	486	973	12	51	3	64,218
AH6OZ	**265**	**781**	**19**	**18**	**44**	**63,261**
HA1AD	419	851	9	50	3	52,762
KØKT	**395**	**492**	**19**	**26**	**54**	**48,708**
UA3BS	365	715	12	54	0	47,190
USØZZ	328	672	13	53	3	46,368
IK3SSJ	356	698	9	51	3	43,974
UR8QM	354	699	11	50	0	42,639
OK1HMP	341	680	8	43	3	36,720
OH1TN	349	703	7	43	0	35,150
N1BAA	**229**	**370**	**14**	**37**	**40**	**33,670**
UYØZG	251	505	11	46	1	29,290
W3LL	**277**	**354**	**12**	**23**	**47**	**29,028**
UAØAGI	**155**	**392**	**17**	**46**	**0**	**24,696**
DJ8ES	196	392	10	44	4	22,736
DK2FG	234	431	10	41	1	22,412
SP6IHE	224	451	7	40	2	22,099
UA4LU	200	398	8	37	0	17,910
RV3MI	191	366	7	40	0	17,202
UA4FCO	172	334	8	41	0	16,366
UXØZL	177	341	8	38	0	15,686
UT8IO	184	363	8	35	0	15,609
F6FTB	167	331	7	31	1	12,909
SP9UOP	168	321	6	32	0	12,198
RZ3AV	119	232	8	36	0	10,208
GW8IZR	94	197	7	37	3	9,259
RXØAT	77	213	9	31	0	8,520
KK8X	**87**	**120**	**8**	**13**	**30**	**6,120**
RL3WX	88	168	6	26	0	5,376
4K6DI	29	83	6	18	0	1,992
EA2BNU	25	50	4	16	0	1,000
JS1OYN	26	38	6	7	1	532

Multi Op, Single Transmitter, High Power

D4C	**2747**	**8191**	**98**	**316**	**179**	**4,857,263**
CT9L	**2581**	**7709**	**88**	**285**	**140**	**3,954,717**
IK4MGP	**2614**	**6306**	**113**	**360**	**121**	**3,745,764**
T93M	**2709**	**6437**	**93**	**319**	**102**	**3,308,618**
HG1S	**2419**	**5867**	**102**	**339**	**101**	**3,179,914**
SV9CVY	**2928**	**6784**	**88**	**275**	**97**	**3,120,640**
4X2Z	**2287**	**6638**	**80**	**262**	**64**	**2,695,028**
I4UFH	**1957**	**4705**	**105**	**340**	**102**	**2,573,635**
T77CD	**2108**	**4785**	**87**	**271**	**81**	**2,100,615**
OL3Z	**1855**	**4517**	**92**	**274**	**93**	**2,073,303**
YT5A	**2044**	**4833**	**84**	**255**	**89**	**2,068,524**
OE9R	**1746**	**4036**	**79**	**242**	**85**	**1,638,616**
RK9CWA	**1567**	**4413**	**89**	**261**	**12**	**1,597,506**
SO9Q	**1582**	**3644**	**101**	**285**	**52**	**1,596,072**
HBØ/DF4OR	**1621**	**3734**	**67**	**226**	**71**	**1,359,176**
G2F	**1537**	**3483**	**71**	**238**	**78**	**1,347,921**
UR4EWT	**1554**	**3493**	**90**	**251**	**44**	**1,344,805**
SK3W	**1514**	**3357**	**82**	**260**	**43**	**1,292,445**
VE3RM	**1193**	**3079**	**78**	**201**	**137**	**1,280,864**
K4FJ	**1297**	**2873**	**78**	**199**	**144**	**1,209,533**
UT7L	1238	2826	101	293	29	1,195,398
IV3HYD	1268	2867	91	264	60	1,189,805
OM3RJB	**1464**	**3316**	**71**	**223**	**53**	**1,150,652**
RWØA	1307	3445	98	226	5	1,133,405
OK1KSL	1200	2714	82	257	61	1,085,600
9A5D	**1407**	**3229**	**70**	**194**	**68**	**1,072,028**
DP4P	1306	3029	76	194	69	1,026,831
W6YX	**1342**	**2496**	**80**	**145**	**159**	**958,464**
RK9JWR	1191	3232	81	213	2	956,672
UA9UZZ	1290	3387	78	186	0	894,168
OGØZ	**1261**	**2778**	**60**	**218**	**35**	**869,514**
WF3C	**1265**	**2004**	**70**	**167**	**168**	**811,620**
NØNI	**1198**	**2064**	**71**	**161**	**161**	**811,152**
GØBRC	1195	2698	55	190	54	806,702
SN3C	1061	2386	71	209	52	792,152
F8KGH	**961**	**2211**	**69**	**200**	**64**	**736,263**
DLØDX	1109	2318	61	214	40	730,170
CX3CCC	**781**	**2301**	**65**	**144**	**102**	**715,611**
LN3Z	**980**	**2231**	**62**	**201**	**42**	**680,455**
W4GAC	959	1661	70	148	152	614,570
DK7ZT	882	1930	65	205	41	600,230
VR1ØXLL	**907**	**2220**	**86**	**174**	**4**	**586,080**
N1MGO	**987**	**1671**	**60**	**142**	**135**	**563,127**
LU1BJW	589	1699	67	125	128	543,680
F5KSE	892	1953	46	163	50	505,827
PFØR	745	1632	55	189	36	456,960
OL5ØNERA	788	1663	43	168	26	394,131
KZ4V	651	1197	61	136	110	367,479
UX4E	823	1771	41	147	7	345,345
VE7UF	**630**	**1336**	**52**	**76**	**124**	**336,672**
TF4M	**931**	**1910**	**31**	**114**	**13**	**301,780**
IQ5FI	504	1163	56	164	28	288,424
RK9LWA	512	1450	45	134	0	259,550
AK9D	713	993	47	85	116	246,264
VA7RN	494	1100	48	59	115	244,200
HB9IQB	**452**	**1044**	**51**	**144**	**31**	**235,944**
RW9HZZ	151	380	41	70	0	42,180
SN1L	175	386	23	63	0	33,196
BY1QH	**129**	**319**	**25**	**47**	**0**	**22,968**
RK9CZO	105	295	20	50	2	21,240
RK3PWJ	120	271	24	51	0	20,325
VE6AO	72	142	13	14	36	8,946
UT7AXA	38	80	5	18	0	1,840

Multi Op, Single Transmitter, Low Power

HG5A	**1419**	**3214**	**79**	**230**	**50**	**1,153,826**
RZ4HZW	**1339**	**2922**	**75**	**227**	**9**	**908,742**
9A7T	**887**	**2050**	**88**	**258**	**49**	**809,750**
TI1R	**993**	**2182**	**61**	**137**	**148**	**754,972**
EB2CZI	**1158**	**2414**	**53**	**205**	**25**	**683,162**
5B/DL2MLU	**1031**	**3047**	**45**	**160**	**19**	**682,528**
LS2D	**545**	**1572**	**67**	**134**	**106**	**482,604**
EA1URO	701	1615	50	162	61	440,895
IK1TWC	**664**	**1547**	**59**	**176**	**49**	**439,348**
IØTIC	733	1660	57	146	36	396,740
YU7W	**618**	**1412**	**58**	**153**	**30**	**340,292**
9M4DXX	**805**	**2158**	**40**	**106**	**0**	**315,068**
OM7RC	**506**	**1146**	**50**	**161**	**28**	**273,894**
K4MM	**433**	**748**	**57**	**101**	**95**	**189,244**
JM1NKT	**317**	**741**	**71**	**115**	**12**	**146,718**
SP9KRT	**349**	**774**	**44**	**113**	**11**	**130,032**
WØRAA	**501**	**668**	**35**	**48**	**107**	**126,920**
OM3KWZ	329	690	29	100	13	97,980
LW8DTO	208	574	46	64	56	95,284
RK2FXG	**302**	**652**	**35**	**104**	**2**	**91,932**
UU4JWC	**326**	**670**	**26**	**104**	**2**	**88,440**
CX1CCC	**162**	**459**	**37**	**82**	**0**	**54,621**
EE2K	202	429	28	96	0	53,196
VE7HL	**113**	**230**	**20**	**20**	**50**	**20,700**
BY1HLG	101	251	26	42	0	17,068
IZ1DGG	73	157	18	44	5	10,519
EA4/DJ9MH	47	106	11	30	0	4,346

Multi Op, Two Transmitter

HC8N	**4243**	**12586**	**121**	**337**	**250**	**8,910,888**
OM8A	**3440**	**8187**	**107**	**351**	**118**	**4,715,712**
Z36ØM	**3071**	**6927**	**100**	**309**	**99**	**3,518,916**
RU1A	**2622**	**5800**	**113**	**334**	**71**	**3,004,400**
KI1G	**2186**	**4814**	**92**	**256**	**184**	**2,561,048**
RT4M	2382	5304	107	294	21	2,238,288
N2WK	**1860**	**4081**	**84**	**224**	**173**	**1,962,961**
LX7I	**1901**	**4410**	**79**	**263**	**87**	**1,891,890**
OF8X	**2028**	**4550**	**77**	**251**	**60**	**1,765,400**
ZF2DF	**1618**	**3689**	**79**	**164**	**190**	**1,597,337**
UO6P	**1401**	**3864**	**86**	**237**	**12**	**1,294,440**
PI4COM	**1379**	**3181**	**76**	**240**	**72**	**1,234,228**
DL5AXX	**1185**	**2703**	**91**	**265**	**52**	**1,102,824**
OH2BP	1516	3251	71	230	21	1,046,822
OF2AG	1549	3299	65	231	21	1,045,783
UT3HWW	**1388**	**2980**	**76**	**243**	**27**	**1,031,080**
KR7X	**1603**	**2635**	**79**	**142**	**165**	**1,017,110**
ED4URA	**1341**	**2923**	**63**	**219**	**58**	**993,820**
IQ3CW	**1041**	**2179**	**51**	**174**	**38**	**573,077**
RUØLL	**959**	**2310**	**71**	**133**	**18**	**512,820**
IKØIZW	700	1567	66	187	42	462,265
W1MAT	701	1379	63	151	108	444,038
WØMU	**183**	**313**	**28**	**39**	**50**	**36,621**

Multi Op, Multi-Transmitter

CT9M	**3916**	**11706**	**111**	**340**	**173**	**7,304,544**
UU7J	**4093**	**9315**	**137**	**409**	**106**	**6,073,380**
4O3A	**4268**	**9869**	**118**	**372**	**115**	**5,970,745**
K1TTT	**2454**	**5236**	**96**	**261**	**205**	**2,942,632**
DR1A	**2101**	**4837**	**98**	**302**	**93**	**2,384,641**
DLØTTY	2193	4745	86	307	64	2,168,465
OH6R	**1978**	**4284**	**85**	**258**	**48**	**1,675,044**
KA4RRU	**1815**	**3482**	**85**	**200**	**188**	**1,646,986**
W4MYA	**955**	**2231**	**77**	**191**	**115**	**854,473**
OH2K	512	1083	42	124	9	189,525

Check Logs

3XM6JR, 9A3GX, AA5VU, BG4SEA, CU2JT, DEØWAF, DL5MG, DL7VEE, DM5GI, EC3CXS, F1ADG, G1VDP, HA1SN, HA8AL, HSØGBI, IQ7IC, IT9YLF, IV3OWC, IZ4DZD, IZ8FDG, JE1ZWT, K2QD, K3SWZ, LA2GH, LZ1CW, LZ1QV, N5IJE, OK4MM, OZ8ABE, RA6XB, RA6YDX, RU3EJ, SN5Z, SP3E, SP3LRS, SP5GDY, UA1AKE, UA3DCW, UR7EY, UT8EX, UT8PA, UX1IL, W6CQZ, YO2CMI.