

Results of the 2005 CQ WW DX SSB Contest

BY BOB COX,* K3EST

Expanded CQ WW Contest Results on the Web

A few additional elements of our contest reporting are on the CQ website, including **Station Operators** of Multi-Op stations and **Zone Leaders/Single Op**. In addition, there is expanded **QRM** on the web.

To view these additional and expanded elements of the 2005 CQ WW SSB results, go to <<http://www.cq-amateur-radio.com/cqwwhome.html>>, then click on "Expanded Results, 2005 CQ WW SSB" 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, 2005 CQ WW SSB."

In 2005 the CQ WW DX SSB Contest occurred about as late as you can get and still be in October. The second to third week of October usually has some of the best conditions of the year, but solar activity was predicted not to cooperate for the 2005 contest. However, this did not stop a record number (4430) of SSB operators from entering the world's largest international radio event. Days before the CQ WW you could hear stations from around the world getting ready for the competition. With solar conditions on the decline, contestants of all ages from every corner of the world turned on their radios and were surprised when the bands sprang to life. Once again, the CQ WW made its own propagation.

The CQ WW is a fantastic competition, but it is also much more than that. It is a celebration of ham radio skill and effort. Over the years thousands of hams throughout the world have received their first ham radio thrill in the CQ WW. Many new and experienced hams who try the CQ WW become addicted. If you want to know exactly how long it is until the next CQ WW SSB test, check out the website of OT5A: <<http://www.on7lr.org>>. It has a countdown to the second!

Below is a summary of the results of the 2005 contest. Read on to see how you and your friends ended up. Everyone who operated the CQ WW last year was a winner.

High Power All Band

A few years ago it would have been difficult to think that a station from a two-point area would win for the world. Not only has it happened several times, but Tom, W2SC, has done it again. Place a great operator in an ideal QTH and anything is possible. Tom traveled down to 8P to activate 8P1A. After he finished, his score stood on top of the world! It is not an easy task to win from a two-point area. Tom showed that with more QSOs it can be done. Finishing in second place was perennial top finisher John, P40W (W2GD), and third place went to Scott, W4PA, who operated from VY2PA. All three

operators exemplify the ideal contesteer, exhibiting motivation and detailed planning. The top three positions in Europe went to three stations located more or less at its corners. Breaking the 6-million point barrier is a real accomplishment and the first and second place finishers did just that. First place in Europe was Tonno, ES5TV. Conditions seemed to favor his location, plus he put his operating skills and super station to their best use (<http://www.lhv.ee/images/files/es5tv.htm>). Second position was taken by Steve, GW4BLE, and third place went to Tine, S50A, with his FB station in the countryside near Ljubljana.

In the U.S. Dave, KM3T, drove over to the K5ZD/1 QTH and proceeded to take top honors. Ken, K4ZW, located in Virginia near Washington, D.C., took position #2 (<http://pvrc.org/k4zw/>), and the third spot went to Alex, LZ4AX, operating the Penn State contest station, K3CR. Special mention should be made

of Steve, N2IC/5, the highest scoring U.S. entrant from the far west.

Again three Canadian stations made the World Top 10 box: VY2PA, VE2IM, and VC3O. The continental winners were: North America 8P1A, Africa ZD8Z, Asia UP0L, Europe ES5TV, Oceania AH7C, South America P40W, Japan JH4UYB, and U.S. K5ZD/1.

Low Power All Band

The various low power categories have by far the greatest number of participants. To win any low power category really is an achievement. The top three world positions were from three different continents. It means that at least three continents had a chance to finish near the top.

Taking the #1 position in the world was John, KK9A, operating from Aruba as P40A (<http://www.qrz.com/p40A>). Second place went to Mike as FG/K9NW, who keeps moving towards the top slot, and third went to CT7T operated by CT1CJJ, Filipe, who finished as #1 in Europe. The number two 100 watts or less entrant in Europe was Kresimir, 9A5K. The number three scorer in Europe was LY9A operated by LY3BA, Gediminas. Here in the U.S., Ed, N1UR, who reprised his win from last year, was the winner in the barefoot category. Taking second place was Ann, WA1S (<http://home.tiac.net/~wa1s/>), who is always on the move to a DX location when she is not operating from home. Third place went to John, N1PGA.

The continental winners were: North America FG/K9NW, Africa CN8SG, Asia 7Z1SJ,



Tonno, ES5TV's QTH in Estonia.

*e-mail: <k3est@cqww.com>



The world champion Multi-Multi team, CT3YA.

Europe CT7T, Oceania VK2KPP, South America P40A, Japan JF2QNM, and U.S. N1UR.

QRP

QRP in the CQ WW is a great way to have fun and increase your DXCC totals. There are so many stations active in the contest from rare locations that with a little patience a QRP station make a lot of Qs. The CQ WW offers a challenge to all entrants, especially QRPer.

Gerard, F5BEG, was able to work more stations than any other QRPer—almost 1000 QSOs! Only 5400 points behind was John, KO1H, with the #1 score in North America. Third place in the world went to another contestor from New England, Chris, KA1LMR (<http://hometown.aol.com/ka1lmrusa/myhomepage/index.html>). Third place in the U.S. was taken again by Anthony, K8ZT, in Ohio. The #2 score in Europe came from Simone, IK5RUN, and third place was Juergen, DF1DX. Special mention is made of the top QRP Asia score of JR4DAH. He is a long way from any population center. Working contesters with 5 watts is exciting and may bring back long-forgotten contest skills.

The continental winners were: North America KO1H, Africa EA8IK, Asia JR4DAH, Europe F5BEG, Oceania YB5AQB, South America LU1VK, Japan JR4DAH, and U.S. KO1H.

Assisted

The Assisted category offers a way for DXers and contesters to contribute to their clubs' score. Remember, QSOs are the name of the game. Try not to chase the band map too much and you may end up with a better score. Remember, too, when a single op receives QSO/multiplier spotting assistance from any source, in any form, he or she is operating in the Assisted category.

A hard-fought battle took place for the world top position. Winning by a million points was Christian, F6HLC, operating FM5BH (<http://www.fm5bh.com/>). He was followed by Wanderley, PY2MNL, at ZX2B, who took second place. RG9A (UA9AM), Yuri, was #3 world and



Ken, K4ZW, #2 USA Single Op, All Band.



PX5E operated by Sergio, PP5JR.

years this Japanese team has put zone 27 in many logs.

The continental winners were: North America J7DM, Africa IG9R, Asia 9K2HN, Europe OM8A, Oceania AH2R, South America FY7KE, Japan JA7YAA, USA K8AZ.

Multi-Two

Every year the Multi-Op Two Transmitter category continues to grow in popularity. Having two transmitters on the air for 48 hours requires a real strategy. You have to have both good operators and stamina if you want to try for the top spot.

The Rhein-Ruhr DX Association put together a team and travelled to the Madeira Islands to put CT9L on the air. They took top prize in this difficult category. About a half hour from the Canadian Niagara Falls is the super station of John, VE3EJ. His crew took full claim to the world #2 position, quite a fantastic job from a two-point area. Third place went to the Caribbean Contesting Consortium, PJ2T (<http://www.pj2t.org>). Once again the station with the highest score in Europe was IR4X (ne IQ4A), located on a mountain overlooking the plains of central Italy (<http://www.ari-bo.it/iq4a.htm>). Second place again went to 9A7A (<http://www.qsl.net/9a7a>) located in beautiful Croatia, and third went to RU1A (<http://ru1a.ru/eng/>).

In the U.S., Frankford Radio Club's N3RS team decided to try for top honors and they took it (<http://n3rs.com>!). Second place went to K3NA/1. Eric's team located in Massachusetts is a team to watch out for in the future. Third place in the U.S. went to KI1G. A special mention must be made of the fine effort of K5NA to finish U.S. high west of zone 5.

The continental winners were: North America VE3EJ, Africa CT9L, Asia EK0B, Europe

IR4X, Oceania VK6ANC, South America PJ2T, U.S. N3RS.

Multi-Multi

Placing first in the Multi-Op Multi-Transmitter category requires months, if not years, of preparation. With over 50% CT3 operators, the CT3YA multi-national crew arrived at their location and prepared to give their best effort to take the world crown. All the hard work paid off. The CT3YA gang took home the coveted Multi-Multi crown (<http://www.madeirateam.com/>). They were followed by the 2004 winner moving to Jamaica's north shore, 6Y2Z. Using verticals on and near the beach, they showed you can have fun with antennas carried in golf bags. Third place in the world was V26B (<http://n3oc.dindns.org/v26b/>). The V26B crew has been active for many years.

Breaking into the top six world was Tim's crew at K3LR (#4 world, #1 U.S.). Being away from the East Coast did not hurt this fine station. They took full advantage of Asian and European openings. (<http://www.k3lr.com/>). Second place in the U.S. went to Matt's team at KC1XX in New Hampshire. The October CQ WW is great time at Matt's. Not only is the event fun, in addition the trees have beautiful colors (<http://www.kc1xx.com>). Third place U.S. went to Frank's team at W3LPL, located in the rolling hills of central Maryland.

First place in Europe went to the DF0CG crew (<http://www.df0cg.de/en/>). Introducing new hams to contesting and gathering together a large crew is what OT5A is all about, and

these second-place European winners continued their party at OT5A (<http://www.on7lr.be/>). Third place in Europe went to DQ0Q of DF0HQ fame (<http://www.df0hq.de>).

The continental winners were: North America 6Y2Z, Africa CT3YA, Asia JA3YBK, Europe DF0CG, Oceania DX1DBT, South America YV4A, Japan JA3YBK, U.S. K3LR.

Team Contesting

When team contesting was first formulated back in 1990, it was hoped that the new competition would be a different addition to a small club competition. Five contestants from anywhere can form a team, register their team before the contest, and enter the Team Contesting category. As you can see below, the teams can be formed with members from anywhere in the world (also note that if there are less than five operators listed, the remaining ops of the team did not submit their scores). In 2005 we saw Neiger's Tigers Team #1 return to the top slot. They led the pack of 27 entries.

1. Neiger's Tigers Team #1: GW4BLE, 8P1A (W2SC), P40W (W2GD), ZD8Z (N6TJ): 34,753,807.

2. Team DX: FS/AH8DX, P40A (KK9A), VY2PA (W4PA), DR0W (DJ5MW): 23,800,535.

3. PVRC Strike Team Alpha: NN3W, W3LL, K4ZW, N8II: 8,576,373.

4. WWYC - Last Heroes: CT7T (CT1CJJ), 9A5K, S59CDE, 9A8MM: 6,202,244.

5. CCF Team Mannerheim: OH6KN (OH6UM), OH5Z (OH5KS), OH6NIO, SM0W (SM0WKA): 4,790,751.

6. DXXE-1: XE2K, XE1YJS, XE2AC, XE1CQ, XE2AUB: 4,639,939.

7. CCF Team Finlandia: CU2A (OH2UA),

EA8/OH4NL, EA8AH (OH1RY), EA8EA (OH2MM): 4,122,278.

8. VKCC - Australis: VK7GN, VK4CZ, PA0MIR, VK9XD (VK2CZ): 4,097,593.

9. MNWA Team #1: AC0W, KH6FI, N0FP, N0IJ/9, TF/N0HZ: 3,915,293.

10. FCG - Survivors: AI4MK, K4PV, NA4CW, N4WW, K4XS: 3,520,504.

11. VKCC - Koalas: 9M2CNC, VK6DXI, VK4AN, VK4DX: 2,279,232.

12. Stafford DXA - The Federal DX Pigs: K2PT/4, N4NW, K4HR: 2,179,309.

13. FCG - CQing Worldwiders: CX7TT (K6CT), HS02CW (K4VLD), KG4WW (KX4WW): 1,809,120.

14. CTRI Team #1: KO1H, AJ1M/8, K1JN, KA1VMG, N3KCJ/1: 1,754,522.

15. PVRC Strike Team Omega: K3SV, W3BP/4, K4GM, W4EE/3: 1,045,249.

16. DXXE-2: XE1ZVO, XE3WAO, XE1CT, XE1CL, 4A1UN: 983,264.

17. DX Hounds: KB4FWN, KG4RTA, VA2SG, KB4QLZ: 796,024.

18. CCF Team Sauna: OH1MM, OH5DX, OH2LU, OH6OS, OH10A (OH3WW): 587,515.

19. FCG Team 4: K9OM/4, K1UM/4: 457,544.

20. Team EA1: EA1DOU, EA1WXD, EA1IGZ, EA1USB, EA1DWE: 404,854.

21. DXXE-3: XE1KK, XE1NW, XE1CWJ, XE1BY: 373,966.

22. FCG - Fun in the Sunners: N4EK, K4CC, KB4ET: 291,443.

23. MNWA Team #2: WG0M, K0KX, W0QQJ: 269,471.

24. Multi-Multi QRM Contest Club: YU1LA, YT0T (YU1EA): 202,047.

25. MNWA Team Timers: N0EO (AA0AW), K0AD, K0PYK, N0KK, N0IM: 195,110.

26. VKCC Cockatoos: VK4BAA, VK3KE, VK6HZ: 95,879.

27. SP5PSL Team: SP5COR, SP5COF, SP5WLO, SP5WLW: 31,449.

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
8P1A	224/10/28	521/20/65	1190/26/98	2205/32/104	2791/33/116	877/14/20
P40W	140/10/30	425/18/68	951/25/94	1787/29/99	2338/30/99	761/14/25
VY2PA	481/12/63	676/20/79	804/26/96	2081/27/108	1600/25/97	30/2/22
ZD8Z	8/7/7	183/17/47	312/20/64	1182/32/103	2019/32/119	1321/31/110
ES5TV	433/12/61	501/23/76	882/29/92	2322/38/124	895/34/109	309/19/56
GW4BLE	120/8/48	599/14/75	806/20/84	1691/31/102	1464/30/87	128/16/34
VE2IM	181/8/23	643/17/60	421/20/77	1914/30/113	1596/25/99	49/7/21
EA9LZ	107/9/40	295/17/68	1006/20/91	761/25/82	1223/31/100	513/16/58
VC30	239/19/9	609/19/66	333/20/67	1816/35/122	1500/31/111	49/12/29
K5ZD/1	61/10/33	329/18/66	468/26/91	1242/35/131	1216/29/105	86/13/44

USA TOP SINGLE OPERATOR ALL BAND

Station	160	80	40	20	15	10
K5ZD/1	61/10/33	329/18/66	468/26/91	1242/35/131	1216/29/105	86/13/44
K4ZW	61/12/36	277/18/65	424/24/85	928/36/116	1221/29/105	103/17/42
K3CR	60/11/33	332/22/72	356/22/82	962/35/117	1102/31/108	64/9/24
W9RE	67/12/31	254/21/72	322/23/87	1038/35/123	950/29/107	76/10/30
A1K/3	90/12/40	234/15/62	192/20/74	1375/34/122	759/33/103	79/16/40
WB9Z	65/11/36	379/21/76	157/22/73	805/37/116	826/31/105	81/12/33
N2IC/5	24/7/13	120/23/51	334/28/73	635/33/100	1357/34/103	77/10/24
W3BGN	77/12/41	190/19/65	285/22/81	888/31/104	727/26/94	70/10/27
NN3W	46/10/18	147/15/61	198/22/80	807/32/110	857/31/107	116/14/43
K3ZO	15/5/11	218/19/63	126/20/67	721/29/105	685/26/98	103/14/40

WORLD MULTI-OPERATOR SINGLE TRANSMITTER

Station	160	80	40	20	15	10
FY5KE	162/12/51	597/25/92	936/28/105	2074/39/152	3364/38/148	1050/25/104
PJ4W	49/8/20	444/22/80	1265/27/106	1420/35/125	3337/33/126	652/16/28
OM8A	257/10/60	570/25/94	1185/34/129	1559/37/148	1653/38/143	289/26/83
EI7M	377/11/55	984/18/84	677/22/101	2177/34/120	1876/35/121	186/19/58
9A1P	140/12/62	663/20/81	1043/34/124	1511/36/129	1408/39/135	146/25/73
OM7M	269/12/64	645/24/86	930/37/129	1428/38/140	1136/38/146	170/25/82

USA MULTI-OPERATOR SINGLE TRANSMITTER

Station	160	80	40	20	15	10
K8AZ	52/12/40	139/23/77	246/30/106	965/37/136	963/32/125	84/14/42
K3EST/4	46/9/28	149/16/52	301/22/81	874/35/115	1175/33/114	37/14/28
K0RF	46/11/23	97/22/62	441/34/108	105/36/135	524/33/114	71/12/32
K5TR	26/11/23	116/23/74	327/30/104	572/37/129	1106/37/129	87/9/31
W3UJA/1	15/6/9	139/15/57	321/20/81	865/32/111	1049/26/97	39/14/35
W4WS	19/7/15	159/18/70	281/26/93	851/37/128	662/31/118	82/15/40

WORLD MULTI-OPERATOR TWO TRANSMITTER

Station	160	80	40	20	15	10
CT9L	316/13/62	834/20/92	1504/26/107	2337/35/128	3132/36/130	872/24/87
VE3EJ	401/15/65	1024/26/92	1277/33/130	2975/38/162	2661/33/139	209/17/46
PJ2T	374/14/37	594/20/83	1608/28/103	2554/36/120	2727/31/111	866/14/32
3V5A	191/8/52	1675/18/87	1697/23/96	2440/34/109	1910/33/105	684/22/73
IR4X	94/11/58	1264/29/101	1635/34/125	1937/38/146	2188/38/150	427/27/93
PS2T	7/4/5	139/20/53	743/26/92	2275/38/145	3446/40/146	598/24/80

USA MULTI-OPERATOR TWO TRANSMITTER

Station	160	80	40	20	15	10
K3LR	346/18/66	921/27/95	1162/35/125	3167/40/169	2031/34/137	293/18/48
KC1XX	255/17/66	1015/28/101	922/33/123	1803/38/151	2339/35/144	339/21/77
W3LPL	321/15/70	795/27/97	1077/34/124	2001/39/159	1719/35/141	381/21/79
K1TTT	180/12/49	476/21/81	643/29/111	1991/38/148	1756/32/129	230/18/56
NO4I	231/12/39	368/25/85	781/34/114	1698/39/142	1312/34/129	278/19/48
K1RX	93/12/41	519/24/86	496/28/102	1546/38/144	976/33/122	196/18/49

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EUROPE TOP SINGLE OPERATOR ALL BAND

Station	160	80	40	20	15	10
ES5TV	433/12/61	501/23/76	882/29/92	2322/38/124	895/34/109	309/19/56
GW4BLE	120/8/48	599/14/75	806/20/84	1691/31/102	1464/30/87	128/16/34
S50A	128/9/49	385/16/60	1068/28/98	1048/33/101	1079/32/99	159/21/46
M6T	163/8/52	452/13/70	667/22/84	1385/32/100	1087/35/103	144/17/42
EA4KR	58/6/39	396/15/77	362/19/76	1044/32/103	1305/31/103	233/14/48
DJ4PT	184/12/50	435/18/67	502/23/77	958/33/85	841/34/91	74/13/42
LB8IB	407/10/58	812/17/75	475/24/87	997/30/97	904/32/92	36/9/32
OZ7X	323/9/47	654/15/63	163/18/63	1387/33/102	877/29/82	21/7/12
U5SD	116/5/36	401/11/54	239/16/62	1067/29/91	925/35/103	131/15/36
IR4T	79/6/40	287/17/72	671/26/88	174/21/47	777/36/114	178/16/41

EUROPE MULTI-OPERATOR SINGLE TRANSMITTER

OM8A	257/10/60	570/25/94	1185/34/129	1559/37/148	1653/38/143	289/26/83
EI7M	377/11/55	984/18/84	677/22/101	2177/34/120	1876/35/121	186/19/58
9A1P	140/12/62	663/20/81	1043/34/124	1511/36/129	1408/39/135	146/25/73
OM7M	269/12/64	645/24/86	930/37/129	1428/38/140	1136/38/146	170/25/82
G5W	222/9/59	653/18/85	778/27/108	1775/36/137	1407/35/127	58/18/58
OK5W	172/10/57	738/23/89	1093/35/129	1101/36/143	1144/37/124	163/27/82

EUROPE MULTI-OPERATOR TWO TRANSMITTER

IR4X	94/11/58	1264/29/101	1635/34/125	1937/38/146	2188/38/150	427/27/93
9A7A	629/9/60	1479/22/95	1664/33/123	2281/37/141	1703/38/141	396/25/82
RU1A	402/12/58	934/26/98	1806/35/122	2383/38/135	1861/38/145	403/24/82
HG6N	497/12/59	1014/19/81	1121/33/127	1652/37/132	1937/39/144	263/20/64
DO4W	200/8/50	1057/20/89	1124/32/113	1249/36/130	1592/38/142	279/25/73
LY7Z	464/10/55	845/20/78	882/33/117	2070/37/127	1227/38/118	250/20/50

EUROPE MULTI-OPERATOR MULTI-TRANSMITTER

DF0CG	917/15/70	1825/27/108	2253/35/134	2566/38/143	1703/38/148	413/27/88
OT5A	858/13/64	1492/21/90	2601/33/127	2474/38/145	1362/38/127	609/25/92
DOQ0	957/11/64	1565/25/93	2604/36/137	2381/38/156	1467/38/144	431/28/94
RW2F	1121/18/81	1500/22/90	2124/34/134	2223/37/143	1631/38/142	419/25/88
LZ9W	684/10/66	1189/25/94	1856/31/121	2732/38/145	2206/3/140	625/27/96
MD4K	945/12/67	1509/18/89	2314/31/120	2062/34/130	1519/36/134	595/17/80

Records

On the CQWW.com web page there are the all-time records for each continent and every country for every mode. Check out your country or call area. Trying to best an existing record or your prior year's score is a worthy goal.

Congratulations to the following stations who set new world and continental records.

World: 7 CN2R (W7EJ), L3.7 TA3D, L1.8 YM0T (TA2RC), Q1.8 KP4KE, A3.7 SP8BRQ, A1.8 ON4WW.

Africa: 7 CN2R (W7EJ), L3.7 7X0RY, A21 EA8URL (EC8AUA).

Asia: 7 UA9AYA (UA9BA), L3.7 TA3D, L1.8 YM0T (TA2RC).

Europe: 3.7 SM0W (SM0WKA), 1.8 OZ1DD, L7 T94DO, A3.7 SP8BRQ, A1.8 ON4WW.

Japan: Q3.7 JE1LFX.

USA: L1.8 K9RO, Q1.8 K3BU, A7 N4CC, A1.8 W2MF.

North America: L1.8 VE3MGY, Q1.8 KP4KE, A7 N4CC.

Oceania: 14 KH7X, A21 KG6DX, A14 9M6DXX, A7 AH6RF.

South America: A7 PX8C(PY8AZT).

Special Mention

The CQ WW is famous for encouraging contestants to put on their travel shoes and go to a DX location for the contest. Every year hundreds of contestants travel to exotic locations. Thank you to the many DXpeditions and the efforts of hundreds of contestants who made the contest experience more interesting for all of us. Here are some calls you probably worked: VP2EAZ, VP2EWX, VP2ECM, 8P1A, V31MQ, VY2PA, J3/SP9PT, J3/SP9BQJ, FG/K9NW, HQ9R, V47KP, V49A, FS/AH8DX, VP5KE, VP5DX, IH9P, ZD8Z, EA8AH, EA8EA, D44TD, CN2R, ST2T, 5H3EE, T6X, A47RS, OH0JFP, CU2A, CU2B, CU2/OH2PM, CU2/OH1VR, T96Q, SV9/OH4FR, J48NL, J48PL, J43J, IS0/WH0Q, IS0/K7QB, VK9XD, VK9XG, 9M8YY, 9M6/G3OKK, KH6/N0CO, KH6/ W0CN, P40W, P49Y, P40A, VP9I, FM5BH, EA8/DL5AXX, TF/N0HZJ, LX/ON4ACA, YB0/ HA2VR, ZL3TE, J7DM, V47NS, FS/AA4V, IG9R, 9G5A, 3V8SF, T18M, OH0Z, J49Z, GD6IA, GJ2A, AH2R, PJ4W, FY5KE, V31MD, T15N, CT9L, 3V5A, 8Q7EA, SX5P, PJ2T, V26B, J3A, 6Y2Z, VP5T, WP2Z, CT3YA, MD4K, HB0/HB9AON, IS0/DL3EW. Check out the full results for many more exotic callsigns.

Once again there were many intra-country competitions. Two ops or more try their best to see who will come out on top. By looking careful-

TROPHY WINNERS AND DONORS

<p>SINGLE OPERATOR World All Band 8P1A (Opr. Tom Georgens, W2SC) Donor: Dave Rosen, K2GM WA2RAU and W2SKE Memorial</p> <p>World Low Power P40A (Opr. John Bayne, KK9A) Donor: Slovenian Contest Club</p> <p>World QRP Gerard Gendron, F5BEG Donor: Jeff Steinman, N5TJ</p> <p>World Assisted FM5BH (Opr. Christian Pidancier, F6HLC) Donor: CQ magazine</p> <p>U.S.A. K5ZD/1 (Opr. Dave Pascoe, KM3T) Donor: Potomac Valley R.C. – KC8C Memorial</p> <p>U.S.A. Low Power Edward Sawyer, N1UR Donor: North Coast Contesters</p> <p>U.S.A. Zone 3 Mitch Mason, K7RL Donor: Dave Pruitt, K8CC & Greg Surma, K8GL</p> <p>U.S.A. Zone 4 Mike Wetzel, W9RE Donor: Dave Pruitt, K8CC & Greg Surma, K8GL</p> <p>Canada VE2PA (Opr. Scott Robbins, W4PA) Donor: Niagara Frontier Int'l DX Assoc. VE3WT Memorial</p> <p>Caribbean/C.A. Jose Hector Garcia M., XE2K Donor: Alex M. Kasevich, VP2MM</p> <p>Europe Tonno Vahk, ES5TV Donor: Potomac Valley R.C. – W4BVV Memorial</p> <p>Europe Low Power CT7T (Opr. Jose Manuel Farto Lopes, CT1CJJ) Donor: Scott Jones, N3RA & Tim Duffy, K3LR</p> <p>Russia Igor Burykh, UA3QDX Donor: Roman Thomas, RZ3AA</p> <p>Africa ZD8Z (Opr. James Neiger, N6TJ) Donor: Gordon Marshall, W6RR</p> <p>Asia UP\$\$L (Opr. Vladimir Vinichenko, UN9LW) Donor: 2 AM Dayton Pizza Gang</p> <p>Japan Masaki Masa Okano, JH4UYB Donor: Tack Kumagai, JE1CKA</p> <p>Japan Low Power Takeda Hideto, JF2QNM Donor: Western Washington DX Club</p> <p>Oceania Tetsuo Tanaka, AH7C Donor: Northern California DX Club</p> <p>South America P40W (Opr. John Crovelli, W2GD) Donor: Yankee Clipper Contest Club</p> <p>SINGLE OPERATOR, SINGLE BAND World – 28 MHz Juan Manuel Morandi, LU1HF Donor: Joel Chalmers, KG6DX</p> <p>World – 21 MHz PX5E (Opr. Sergio Almeida, PP5JR) Donor: Robert Naumann, N5NJ</p> <p>World – 14 MHz D44TD (Opr. Alberto Annesi, IV3TAN) Donor: North Jersey DX Assn. – K2HLB Memorial</p> <p>World – 7 MHz CN2R (Opr: James Sullivan, W7EJ) Donor: Fred Laun, K3ZO – K7ZZ Memorial</p>	<p>World – 3.7 MHz Mauri Leppala, EA8/OH4NL Donor: Fred Capossela, K6SSS</p> <p>World – 1.8 MHz Jens Rohme, OZ1DD Donor: Robert Wruble, W7GG</p> <p>USA – 28 MHz Charles Dietz, W5PR Donor: Donald Thomas, N6DT</p> <p>USA – 21 MHz Neal Sulmeyer, K4EA Donor: WorldRadio</p> <p>USA – 14 MHz Daniel Handa, W7WA Donor: Southern California DX Club</p> <p>USA – 7 MHz Bill Kollenbaum, K4XS Donor: Stanley Cohen, W8QDQ</p> <p>USA – 3.7 MHz James Eppright, K5RX Donor: Alex Jozsa, KG1E</p> <p>USA – 1.8 MHz Bill Tippett II, W4ZV Donor: CQ magazine</p> <p>Carib./C.A. (21 MHz) VP5DX (James Iori, NU4Y) Donor: Nate Moreschi, N4YDU</p> <p>Europe – 28 MHz Zdravko "Emil" Balen, 9A9A Donor: CQ magazine</p> <p>Europe – 21 MHz T96Q (Opr: Slobodan Kojic, YZ1AU) Donor: Tine Brajnik, S50A</p> <p>Europe – 14 MHz Veijo Kontas, OH6KN Donor: CQ magazine</p> <p>Europe – 7 MHz Jiri Sanda, OK1RI Donor: John Warren, NT5C</p> <p>Europe – 3.7 MHz Teemu Korhonen, SM0W Donor: Ted Demopoulos, KT1V</p> <p>Europe – 1.8 MHz Dragan Djordjevic, YT6Y* Donor: Robert Kasca, S53R</p> <p>Oceania (14 MHz) KH7X (Opr: Mike Gibson, KH6ND) Donor: Bruce D. Lee, KD6WW</p> <p>Asia – 14 MHz Vakhtang Mumladze, 4L8A Donor: AI Teimurazov, 4L5A – JA4FWM Memorial</p> <p>Japan – 21 MHz Ooshika Tarou, JI2UNR Donor: DX Family Foundation</p> <p>Japan – 14 MHz Akira Minagawa, JA0JHA Donor: Take Yokoyama, JL1BLW</p> <p>MULTI-OPERATOR, SINGLE TRANSMITTER World FY5YE (Oprs: F11AR, F5HRY, F5LND, F5MZN, F6FGZ, I4UFH) Donor: So. Calif. DX Club – W6AM Memorial</p> <p>U.S.A. K8AZ (Oprs: K8AZ, K8BL, K8MR, N8AA, ND8L, W8CAR, W8KIC, WB8K, WT8C) Donor: Carolina DX Association</p> <p>Carib./C.A. J7DM (Oprs: AD4J, K2DM, K3ZM, W4GKA) Donor: Eric Scace, K3NA</p> <p>Africa IG9R (Oprs: IK8HCG, IZ8DFO, IZ8FBU, IV3OWC, IV3JVJ, IV3TDM) Donor: Tikiriki Contest Club – IH9P</p>	<p>Asia 9K2HN (Oprs: 9K2HN, 9K2YM, 9K2RR, 9K2ID, 9K2CQ, 9K2HS) Donor: Edward L. Campbell, NT4TT AA6BB and KA6V Memorial</p> <p>Japan JA7YAA (Oprs: J15RPT, JE7HLZ, JG7PSJ, JO7DJT, JH0NZN) Donor: CQ magazine</p> <p>Europe OM8A (Oprs: OM2KW, OM2VL, OM3BH, OM3GI, OM3LA, OM3NA, OM3RG, OM3RM) Donor: Bob Cox, K3EST</p> <p>Oceania AH2R (Oprs: JI3ERV/NH2C, JR7OMD/WI3O, JE8KKX/AH2K, JO1DFG/KH2XC, KH2/JH7QXJ) Donor: Junichi Tanaka, JH4RHF</p> <p>South America PJ4W (Oprs: DK1MM, OE2GEN, OE2VEL, OE9MON)* Donor: Victor Burns, K16IM – The Cuba Libra Contest Club</p> <p>MULTI-OPERATOR, TWO TRANSMITTERS World CT9L (Oprs: DL1YD, DL1QW, DL1YFF, DL8OBQ, DK3DM, DK5QN, DF8AE, DB7QJ, DJ8OG, DJ6QT, SV8CS, IK2QE) Donor: CQ magazine</p> <p>U.S.A. N3RS (Oprs: N3NA, N3RD, N3RS, W8FJ, WA3LRO, K9RS, N2SR) Donor: Kimo Chun, KH7U Dan Robbins, KL7Y Memorial</p> <p>Europe IR4X (Oprs: I4TJE, I4VEQ, I4EAT, I4AVG, I4IND, I4IKW, IK4EWK, IK4DCT, IZ4BOY, IZ3EYZ, IK2NCJ) Donor: Aki Nagi, JA5DQH</p> <p>Oceania VK6ANC (Oprs: VK6NU, VK6XH, VK6ZN, VK6ZAA, VK6ANC) Donor: Japan CQ Ham Radio</p> <p>MULTI-OPERATOR, MULTI-TRANSMITTER World CT3YA (Oprs: CT3BD, CT3DL, CT3DZ, CT3EE, CT3EN, CT3HK, CT3IA, CT3IQ, CT3KU, CT3KY, CT1BOH, CT1BOP, CT1DIZ, CT4NH, W6NV, N6MJ, P43E, OH2KI) Donor: Dave, W6NL and Barb, K6BL Leeson</p> <p>U.S.A. K3LR (Oprs: K3LR, N2NC, K5GO, W9ZRZ, K8GL, W2RQ, W8JV, N2NT, N9RV, K3UA, N5DX, N3SD, N3GJ, VE2DWA) Donor: CQ magazine</p> <p>Europe DF0CG (Oprs: DB6JG, DF3KV, DG3FK, DH1NFL, DH5HV, DJ7EO, DK6WL, DL1EJA, DL1MGB, DL2AA, DL2YL, DL3DXX, DL5SDK, DL6FBL, DL6LAU, DO1ET, DO2WW) Donor: Finnish Amateur Radio League</p> <p>Japan JA3YBK (Oprs: JG3KIV, JI3OPA, JO3LDN, JP3PZD, JH3PZR, JH4NMT, JR4ISF, JF4FUF) Donor: Ryozo Goto, JH3JYS</p> <p>CONTEST EXPEDITIONS World Single Operator Michael Tessmer, FG/K9NW Donor: National Capitol DX Assn. Stuart Meyer, W2GHK Memorial</p> <p>World Multi-Single J49Z (Oprs: I2WIJ, IK8UND, IZ4DPV)) Donor: Gail Schieber, K2RED</p> <p>World Multi-Multi 6Y2Z (Ops: AB6BH, K5OT, K6AM, K6JL, K6MC, N5ZO, N6AA, N6VI, N6ZZ, W6XD)) Donor: Tachio Yuasa, JA9VDA</p>
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*Second place

ly at the results, you can see many such competitions. Noticed the three XE teams in the Team Contesting category. What a great way to increase activity in a rare zone. A very special thanks is due to the team of HB0/HB9AON (DJ2YE and crew). Over the years they have provided the rare HB0 multiplier to thousands of contestants.

Comments

As the opening comments indicated, the 2005 CQ WW SSB was a case where the contest makes the conditions. We received about 4430 SSB contest logs, of which about 4200 were electronic! Thanks to all the contestants around the world who sent in a log. *Please send in your log no matter how small.*

Your submission of an electronic log allows for a fairer adjudication process. Submitting an electronic log is easy. Send your SSB log to <ssb@cqww.com> (CW logs go to <cw@cqww.com>). Please send your log in Cabrillo format. If you did everything OK, you will get back an acknowledgment. If there was something wrong, you will get a message telling you what to do to correct the error. You can then resubmit your log to the same above addresses. The messages are presented in numerous languages. If you don't see your language and you would be willing to help out by translating for your fellow countrymen, or for any inquiry, please send a message to <questions@cqww.com> for more information.

Each year everyone who submitted an electronic log receives a UBN report of how their log was judged. You can learn more about the UBN report by going to the CQWW.com website and scrolling down to the end, where it is explained. The CQ WW Contest Committee provides many ways for an entrant to check his/her log for category, club, operator, and score accuracy. Long before the final results are published, a logs-received list with your category and your UBN list is posted on the CQ WW site. Look over these lists to find out if your information is accurate.

Thanks to the input from numerous entrants a few systemic errors were found and corrected. All these efforts help to make the results as accurate as possible. We enter the contest to have fun, meet friends, perhaps work some new ones, and compete fairly. You can see information concerning the CQ WW on the web at: <<http://www.cqww.com>>.

Packet and other help. If you plan to try to make the Top Scores box, you can count on your log being carefully scrutinized. The CQ WW CC is looking to confirm that you are really in the category you claim and that your score entry is true. In a perfect world we would not have to spend this extra effort to check potential problem logs; however, some entrants feel they must win even if it means not following the rules. Just as in other aspects of life, cheating will not be tolerated. The use of undeclared packet, the use of additional operators for a single operator entry, two signals at the same time on the same band or on separate bands at the same time if you are single operator, all are in violation of the CQ WW rules. The CQ WW has at its disposal years of data, category averages for packet and non-packet scores, statistical aids to verify winners, URL tracing, packet clusters, and reverse log time/band checking (the stations an entrant works can be electronically queried for frequencies and times; therefore an entrant's log without frequencies is not nec-

essary to discover a violation of the rules) are just some of the tools we have available. In addition, we frequently confer with excellent operators in the SO2R and other categories to help confirm what is possible.

Several problems have arisen through the use of packet. If you are a single operator in **any** single operator category, you **cannot receive help in any way from another person or any DX spotting network**. Every year we receive reports of someone allegedly having another operator spot or work QSOs for him, or the unclaimed use of packet. This is cheating, and we will crack down on such cases. The use of packet to self-spot is against the rules, and anyone trying to hide the fact that he is doing it by using other callsigns is obvious to the CQ WW CC. There is nothing wrong with coming across a station and spotting it, but self-spotting is against the rules.

The clever use of packet to add multipliers to your score will not be tolerated. If you do this, you will be **disqualified**. A fair competition means that everyone follows the same written rules. There is no problem with using a DX spotting network: **just submit your entry as Assisted.**

Thanks

Every year the CQ WW Contest Committee devotes a great deal of effort to make the results as complete and accurate as possible. Creating the line scores is just the final product. Thanks to the committee, entrant log submission problems, incomplete logs, forgotten band changes

(Continued on page 101)

not in log, incorrect call indicated for the contest, and a myriad of other subtle problems are sorted out behind the scenes. Using an armamentarium of log-checking tools and data sources, the CQ WW Contest Committee has done its best to certify the winners. The members of the committee who provided insight into many contesting topics are: K1DG, K3WW, K3ZO, KR2Q, N2AA, N2NC, N3ED, N6ZZ, N9RV, W3ZZ, K1AR, KM3T, KT3Y, N5TJ, W5OV, N5KO, K6AW, N6ZZ, N6AA, and N8BJQ. The DX advisors who offered advice and sorted out potential problems are: CT1BOH, EA3DU, F6BEE, G3SXW, I2UIY, JE1CKA, OH2KI, OH2MM, PY5EG, S50A, UA9BA, VA7RR, VE3EJ, RA3AUU, and E21EIC. A special thanks to Dick, N6AA, and Larry, N6TW, who once again spent countless hours to make the CQ WW database the best in contesting. The CQ WW uses the software developed by Tree, N6TR. Additional software provided by WT4I was used. The CQ WW records are maintained by John, N2NC, and K3EST. Phil, N6ZZ, put in lots of hours beta testing the callsign the database and UBN reports. Thanks as always to John, K1AR, and Tim, K3LR, for their advice.

Congratulations to all the winners and entrants! CU in the '06 test!

73, Bob, K3EST

DX QRM

Logging all those Caribbean mults is easy, I always thought. Not located in their main direction, it's been a tricky game from East Africa (15m low power) . . . 5H3EE. Thanks to Langkah Syabas Beach Resort

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Bob, K4UEE, 3Y0X DXpedition co-leader

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Results of the 2005 CQ WW DX SSB Contest (from page 19)

for use of station (www.api-japan.com). I'm ex-G4JVG and P29DX. Nice to be back in zone 28 again! See you next year... **9M6DXX**. Good contest. Surprisingly good propagation on 10m. Usual QRM on the rest of the bands however... **A45WG**. 80m is pure "masochism" in Europe, especially running QRP! But anyway, had great fun running just 5 watts (FT-817) into a 83m delta loop, although plagued by S9+ contest QRM all over... **DH8BQA**. First contest with DQ5T callsign and new team in Munich. Everybody was happy and we will improve our setup permanently. 40m operation with TH3 element beam was a dream... **DQ5T**. This contest is a surprise box. The whole band was full of stations calling, which is perfect for a QRP as me as I always found a station to call! I hope to repeat last year's award but now on 15. Congratulations to winners and organization as well for the biggest event in radio... **EA4DUT**. First ever serious

entry, as so (last entry was as M/S and for fun) nice to be in France, as you are rare. Pleasant to be called by West Indies big guns or guys from Pacific area!

... **F6KNB (F4CIB)**. On a beautiful late-autumn day, what better than a little portable operation from the Belgian countryside?... **G3VQQ**. Just a few hours of S&P concentrating mainly on 21 and 28. Good conditions on 21 and some new DXCC entities for the log. 28 opened across the Atlantic on Sunday afternoon... **G4FKA**. Every frequency between 7.00–7.10 MHz three deep in QSOs. 15m had some interest but 10m remained dead... **G6CSY**. Conditions better than expected for this time of the sunspot cycle, but still wall to wall stations on 20. Having 15 open for many hours helped, as did some short openings on 10... **GD6IA**. No sunspots, but no solar storms either. Could have been a lot worse!... **GW4BLE**. Have you ever participated in an SSB contest without a micro-

TOP SCORES

WORLD ALL BAND	HC1JQ.....1,015,653	V26B.....17,865,770	K5MQ.....52,965	M6T.....4,685,268	14 MHz
8P1A.....10,540,052	IH9P.....937,728	K3LR.....16,283,848	EA4KR.....3,762,529	YT1AD.....670,721	
P40W.....9,654,145	5B/H4PP.....713,952	DF0CG.....15,337,439	DJ4PT.....3,656,405	LY6A.....341,400	
VY2PA.....8,602,286	5H3EE.....617,848	KC1XX.....14,482,410	N4MO.....156,264	LB8IB.....3,638,669	
ZD8Z.....8,452,150	14 MHz	K5ZD/1.....5,553,841	OZ7X.....3,172,320	SO9L.....293,722	
ESSTV.....6,437,918	YT1AD.....670,721	K4ZW.....4,906,980	US5D.....2,720,374	UA1ANA.....287,835	
GW4BLE.....6,118,605	HP1XX.....597,839	K3CR.....4,445,930	IR4T.....2,511,008	HG4F.....253,232	
VE2IM.....6,047,000	XE1L.....516,838	W9RE.....4,282,720		YU7ZZ.....236,082	
EA9LZ.....5,968,812	UN6LN.....349,200	AA1K/3.....4,112,913			
VC3O.....5,794,200	YV5YMA.....347,508	WB9Z.....3,523,377			
K5ZD/1.....5,553,841	LY6A.....341,400	N2IC/5.....3,335,815			
28 MHz	7 MHz	W3BGN.....3,257,436			
LU1HF.....620,398	HI3TEJ.....286,794	NN3W.....2,704,683			
LT2H.....490,496	T94DO.....216,008	K3ZO.....2,579,927			
LUEETB.....407,464	TA3J.....185,440	28 MHz			
PY5XT.....272,844	V49A.....135,408	K5PR.....21,200			
ZW5B.....196,098	RW9DX.....116,957	W9YYG.....3,335			
9Y4NZ.....178,717	S54A.....102,297	3.7 MHz			
21 MHz	3.7 MHz	K9RO.....4,416			
PX5E.....2,274,068	TA3D.....208,616	W9VV.....752			
P49Y.....1,703,924	IO1T.....128,364	NT6K.....432			
EA8AH.....1,667,064	S59CDE.....64,148	KB3KYZ.....60			
AY8A.....1,278,468	7X0RY.....58,401	QRP ALL BAND			
T96Q.....1,152,180	LY1DT.....54,273	KO1H.....649,399			
VP5DX.....1,052,142	UU4JKY.....46,480	KA1LMR.....495,818			
14 MHz	1.8 MHz	K8ZT.....193,048			
D44TD.....2,222,829	YM0T.....67,716	W7WA.....848,350			
OH6KN.....1,710,648	S54W.....41,778	N3HBX.....744,430			
4L8A.....1,644,070	4N7ZZ.....24,507	K2XA.....675,273			
KH7X.....1,539,072	9A3RE.....15,288	W7UT.....50,700			
EA8EA.....1,206,918	SP4XGN.....14,964	N2ZQ/0.....283,432			
PY2NY.....1,042,440	TA7OM.....13,400	N4CT.....254,332			
7 MHz	QRP ALL BAND	K8IA/7.....240,464			
CN2R.....1,590,675	1.8 MHz	K9RO.....4,416			
9Y4W.....975,652	F5BEG.....654,126	W9VV.....752			
UA9AYA.....792,990	KO1H.....649,399	NT6K.....432			
EY8MM.....714,298	KA1LMR.....495,818	KB3KYZ.....60			
OK1RI.....677,673	IK5RUN.....427,440	14 MHz			
YZ1E.....660,152	DF1DX.....328,750	OK1RI.....677,673			
3.7 MHz	ALL BAND	Y2T.....660,152			
EA8/OH4NL.....473,060	F5BEG.....654,126	Y2T.....660,152			
SM0W.....424,424	KO1H.....649,399	S50K.....916,584			
SN3A.....386,400	NA4X.....59,750	M7Z.....898,184			
IR4M.....304,673	N4PN.....321,372	S57DX.....882,640			
CU2B.....294,261	W7UT.....288,686	W4DEC.....5,408			
GM7V.....243,540	N2ZQ/0.....283,432	K0CD/9.....4,464			
1.8 MHz	7 MHz	W4DEC.....5,408			
OZ1DD.....125,178	YM0T.....67,716	W4DEC.....5,408			
YT6Y.....116,400	S54W.....41,778	K0CD/9.....4,464			
OE8Q.....97,440	4N7ZZ.....24,507	QRP ALL BAND			
LY2IJ.....82,302	9A3RE.....15,288	OK1RI.....677,673			
HG8L.....77,077	SP4XGN.....14,964	Y2T.....660,152			
OZ1HXQ.....75,850	TA7OM.....13,400	S50K.....916,584			
LOW POWER ALL BAND	QRP ALL BAND	M7Z.....898,184			
P40A.....7,649,824	F5BEG.....654,126	S57DX.....882,640			
FG/K9NW.....5,104,410	KO1H.....649,399	W4DEC.....5,408			
C77T.....3,638,544	NA4X.....59,750	K0CD/9.....4,464			
FS/AH8DX.....3,483,000	N4PN.....321,372	1.8 MHz			
HK3JUH.....2,793,392	W7UT.....288,686	W2RE.....4,013,064			
9A5K.....2,497,536	N2ZQ/0.....283,432	K2NG.....3,853,056			
LY9A.....1,795,560	TA7OM.....13,400	AA4MM.....42,133			
CO8LY.....1,792,461	F5BEG.....5,925,228	KG9N.....23,868			
UA4FER.....1,643,880	ZX2B.....4,943,323	3.7 MHz			
N1UR.....1,577,730	RG9A.....4,776,046	W2RE.....4,013,064			
1.8 MHz	1.8 MHz	K5RX.....78,810			
OZ1DD.....125,178	LG9A.....4,776,046	KU1CW/0.....60,334			
YT6Y.....116,400	LG9A.....4,776,046	K2RR/1.....57,285			
OE8Q.....97,440	RG9A.....4,776,046	W6KW.....52,116			
LY2IJ.....82,302	LG9A.....4,776,046	AA4MM.....42,133			
HG8L.....77,077	LG9A.....4,776,046	KG9N.....23,868			
OZ1HXQ.....75,850	LG9A.....4,776,046	3.7 MHz			
28 MHz	ALL BAND	K5RX.....78,810			
EA8TX.....223,236	FY5KE.....19,055,673	KU1CW/0.....60,334			
L44DX.....190,256	PJ4W.....12,645,826	K2RR/1.....57,285			
LR2D.....161,360	OM8A.....9,652,744	W6KW.....52,116			
PY2CX.....147,157	E17M.....8,125,830	AA4MM.....42,133			
PY2DY.....145,950	9A1P.....7,982,590	KG9N.....23,868			
CX1AV.....144,000	OM7M.....7,709,190	7 MHz			
21 MHz	MULTI-OPERATOR SINGLE TRANSMITTER	N1UR.....1,577,730			
CN8BK.....1,366,290	CT3YA.....28,261,325	W4AF.....202,365			
ST2T.....1,218,040	6Y2Z.....18,564,588	N2GM.....132,514			
MULTI-OPERATOR TWO TRANSMITTER	MULTI-OPERATOR TWO TRANSMITTER	W4EEH.....94,752			
CT9L.....18,787,200	K4WI.....12,120	K1HT.....599,616			
VE3EJ.....16,493,120	PJ2T.....15,085,936	W4JK.....1,529			
3V5A.....14,896,200	IR4X.....13,734,300	28 MHz			
PS2T.....12,487,515	PS2T.....12,487,515	K4WI.....12,120			
MULTI-OPERATOR MULTI-TRANSMITTER	MULTI-OPERATOR MULTI-TRANSMITTER	W4JK.....1,529			
W6AFA.....202,365	W6AFA.....202,365	K1HT.....599,616			
N2GM.....132,514	N2GM.....132,514	21 MHz			
W4EEH.....94,752	W4EEH.....94,752	K1HT.....599,616			
EUROPE ALL BAND	EUROPE ALL BAND	W4AF.....202,365			
ES5TV.....6,437,918	W7UPF.....89,577	NQ4I.....7,606,080			
GW4BLE.....6,118,605	W6EUF.....76,964	K1RX.....6,453,523			
S50A.....5,136,192		21 MHz			
MULTI-OPERATOR MULTI-TRANSMITTER	MULTI-OPERATOR MULTI-TRANSMITTER	W6AFA.....202,365			
DF0CG.....15,337,439	UR5HAC.....362,520	NQ4I.....7,606,080			
OT5A.....13,053,528	S57J.....293,997	K1RX.....6,453,523			
DQ0Q.....12,921,984	RV6LFE.....227,476	21 MHz			
RW2F.....12,877,980	T94LW.....206,206	ES5TV.....6,437,918			
LZ9W.....12,467,430	YO3JF.....190,284	GW4BLE.....6,118,605			
MD4K.....9,628,416		S50A.....5,136,192			



VK9XD (op. VK2CZ) Single Op All Band from Christmas Island.

phone? With my wife sleeping next to the radio I had to resort to a PC voice keyer. The next day my mic PTT switch died, so the pre-recorded computer messages helped not give up . . . **HA5X**. We run 100 watts limited power in Multi Single class and we have new Thai HF hams join with us in contest. A lot of fun! Thanks to all for QSOs . . . **HS0AR (E21EIC)**. Fine experience with IC8C special call. Lot of hams and activity on 80 meters. Hope to meet all of them next year too . . . **IC8C**. It was my first effort in LP category in phone mode. I must say that it is quite "harder" than CW with LP, which I like very much. I lost some multipliers because I could not get through the pile-ups. I used two beams (4-el OWA and 3-el tribander) and I think it helped to me in the pile-ups as well with 100w. Generally the contest was very nice, especially thanks to excellent propagation on 15. Thanks to all for QSOs and CU in CW! . . . **IH9P**. For me is the first time. I'm very happy . . . **IW2MWZ**.

Not good propagation . . . **IZ1DGG**. Propagation hurt, and high winds and rough sea did the rest! Our best ever low bands' beach setup was almost completely ruined on Saturday afternoon! Radials thrown away by the sea waves, one 40 mt vertical brought down by the sea, 160m vertical blown out when hit by sea waves, what more? Ah, Mr. Murphy, no, we didn't see him around. CU next one! . . . **J49Z** (*Bob, I2WIJ, on behalf of the team*). As expected, high band propagation was not very good. Still, we had fairly good runs on 15m on Sunday toward Europe (around 06Z) and toward North America (around 22Z) . . . **JM1LPN**. Can't wait to get out of the bottom of this cycle . . . **KH6FI**. No propagation on second day . . . **KL7RA**. Gearing up and going full tilt and having lightning . . . **KP4US**. First effort from Sardinia . . . **LS0/WH0Q**. Excellent conditions! And many many mults! Congratulations! . . . **LU8VCC**. Nice test, but who closed the door to JA? . . . **LV5V**. First attempt at CQ WW DX. Limited station and only two full-time operators made it fun but hard work. Need to develop better antennas and bigger tower for next year. See you in 2006 with a special contest call . . . **M5ARC**. Very, very hard work this year. Nearly gave up on a number of occasions. I'm pleased that I didn't. Such a great contest . . . **MW5HOC**. My special thanks to Eduardo, CU2AF/CU2T and Pedro, CU2JX. Their great help made this operation possible! It was a real sign of a true ham spirit. Thanks to everybody who called me. I had a great fun . . . **OH1VR**. This was a "one-man-show." I brought the whole stn to Crete Island by car. That meant 5 days to go down, 2 days to set up the stn, 2 days contest, 1 day removal, and another 5 days back (yes, I also had 3 weeks sunny vacation in-between). Condx were not as bad as I feared with the sunspot number near zero. Thanks to everybody who called me. I had great fun in the pile-up! . . . **OH4FR**. Condx not too good. 10m almost dead and no opening til West Coast USA/Canada on 15. But I did better than my own Danish record from 1978, 3,186,303 points . . . **OZ7X**. The display burned out on both transceivers, my microphone boom broke, and the pre-amp power supply burned up. Even with these inconveniences, it was a very fun contest! . . . **P40A**. We participated in the contest just for fun and education. We had fun and we learned a lot, so we got the goal! . . . **PI4ZOD**.

Propagation was very poor in our Arctic region. Tnx to many ops for attention! . . . **RK9XWW**. Double L and inverted V with ICOM 746, 100W. Some problems with setting antennas, but we managed to fix it all before the test (we finished setting the antennas in the dark). Location Mount Slivnica, 1114m asl S50L location. Tnx to S55Z, S59MA, and S56WKC for the support. The score is higher as was expected, but lack of experience made me miss some DX = mult . . . **S59CDE (S55O)**. Spent the weekend hiding in the basement shack. My little daughter thought I was away at work, hihi. Not the best condx from Sweden. Nice anyway. We will be on next year . . . **SM6RXZ**. This was my first contest with my new first license call. I am 16 years old. My father, SP4Z, said it is the biggest contest all over the world. See you again . . . **SQ4LH**. This was my first contest from a DX location. It's quite different to be on the other end of the pile-up. It's thrilling to be called by a weak station, and to find that he's a rare double-multiplier . . . **V31MQ**. Thanks to Karl Sage, V44NK, who helped set up the

antennas; operated from the Golden Rock Estates Hotel on Nevis Island. Mike and Bain last did a contest together while in high school in Cleveland, Ohio in 1960, some 45 years ago! . . . **V47NS**. I'm a new ham and was first contest. Had fun and really enjoyed it. Looking forward to more . . . **VA3TPS**. Even at the bottom of the cycle this contest always delivers. It is the best of the best! . . . **VC6R**. Loads of fun. Strangest occurrence when I tried in vain to break a pile-up for SV3 and then moments later I get called by an SV9. Go figure . . . **VE3JAQ**. Limited operating time but still had fun. Hard to compete with 100W and a vertical! . . . **VE3TMT**. Did better the second time around. Tnx for getting me interested in contesting . . . **VE3VMP**. This was Joe's (VE6JSL) first contest and I think he is hooked! My 2004 certificate arrived just before the contest began and I think it was a great motivation for both of us to do well. Low bands were disappointing at this QTH after 0700Z Saturday, particularly 160. Better luck next year . . . **VE6ZC**.

All the ops except VE7FO are members of the Vector Club's basic license class and are working towards getting their first ticket. This was the first time any of them had ever made a ham radio contact. The idea was to give them some hands-on experience to help the classroom stuff come alive. It's such a great experience to watch the first nervous Q being made followed by a few less nervous ones, and somewhere around Q #5, the cheat sheet is no longer required . . . **VE7FO**. 10m just didn't get a chance to fire. 15m was certainly worth the effort and the new 5-element mono certainly proved its value. Now planning for next year begins! . . . **VK4CXZ**. Had good time but few contacts . . . **VK5UE**. This was a real mixture of disappointment (with intial condx and my own tactical errors), frustration (with extreme crowding and one important, flaky beam), excitement (called by VP6DB), and learning (how to do SO2R better). My score is way down, but it was still fun . . . **VO1AU**. Very good conditions. The best ever personal score in this contest. Was fun all time. Tnx for all the calls . . . **XE2K**. First activation of Koh Tas Island. Complete portable on generator. Antenna Spiderbeam for 20, 15, 17, delta loop, longwire from Yaesu FT-857D . . . **XU7TAS**. This is the greatest contest! It is hard to join the contest this year. We have fasting days, no food, no drink, so hungry and thirsty, but again contesting is fun! See you in next contest! . . . **YB2ECG**. My first attempt on 160m ever! Thanks all guys over Atlantic Ocean for patience, because on this side I had no beverages. It is good to be back in ham radio after 6 years . . . **YT6Y**. Antenna problems, electricity supply problems, wife left me on Friday, thank goodness she returned on Sunday (visiting parents!). Most enjoyable time . . . **ZS4BS**.

USA QRM

My first contest in 48 years as a ham. Had a great time. Already planning for next year! . . . **K01Z**. Good opening to Asia on Sunday night. Was working a few JAs, and after I worked another station he gave his call as B1Z. Almost fell off my chair when I realized I just worked the China station without any trouble! . . . **K2MFY**. Thanks for the QSOs . . . **K3TW**. First contest in 30 years since old RTTY contests with "machines." Had a good time, but lots to learn . . . **K3WC**. Whew! I'm ready for the sunspot cycle to come back . . . **K5LAD**. Not many Asia/Pacific stations heard as expected. Some nice openings to Europe but wish they would have been longer. Where were all the Asia mults? . . . **K7ACZ**. Hope K1TTT is happy with my Q's ... I got his dupes! . . . **K9TTT**.

Band conditions didn't start off too well. SD logger makes contesting a lot of fun . . . **KA1C**. I only wish I had more time to work more stations. Thirteen contacts isn't very many at all, but maybe by filing my log it might help confirm someone else's scores . . . **KA6GDT**. This is the first time I did single band (80m). Didn't do as well this year; same equipment and antennas when compared to last year's results. But I have learned value of RX antennas . . . **KB0FHP**. Only got a few hours in but hope it helps when added to the club score . . . **KB1LAX**. This is the third year with a Field Day type of operation. We bring all equipment up to Zone 2. Even with the low band conditions, everyone had a great time. Vertical antennas, including a home-built one for 160 meters, performed great . . . **KD3TB**. Great to be back on the air, even with a G5RV in the trees! 10m opening was a nice surprise . . . **KU4V**. Exciting contest as usual, but sadly my last log for the CQ WW. After 50 years at this QTH, we are moving to a retirement apartment without towers or beam antennas. Goodbye my friends from November One Alpha Uniform. I have enjoyed contesting with you immensely!

. . . **N1AU**. Conditions were a lot rougher this year but still had fun. Sure wish more EU would listen up for USA on 40m. Where was the Pacific? Always amazing when you break a double mult pile-up on first call with 100w . . . **N1UR**. Finally worked JT on 40 SSB for last zone for 40m SSB WAZ. Thanks JT1JA! Casual contest fun as usual, mostly S&P for me . . . **N4CC**. If we're gonna get beat in 4-land, it might as well be by CQ WW Director K3EST. Nice work, Bob and Phil, KT3Y! Our best low band scores. Sure miss 10 meters . . . **W4WS**. Bands seemed to be in good shape. Great opening into Asia Saturday night on 20 meters . . . **W4WTB**. Using Telnet was a lot of fun. Did not operate enough during the wee hours to work the normal number of JA's. Getting too old for operating more than 40 hours. The CQ WW test is a "must" operate event. Glad to have make this event one more time! . . . **W7GG**. Honey dews = 1; contest = 0 . . . **W7KB**. Our first group effort, more for fun than glory. Great conditions using modern and ancient equipment . . . **W9DEW**. Excellent conditions. Boy I hate to think what the bedlam is going to be again when conditions get better . . . **W9IGJ**. As our crew became more familiar with multi-single, and with operating as a team, the more fun we had! This was great in spite of poor conditions . . . **WA7LT**. More good stuff to work than I've heard for years . . . **WB0HCH**. We are training new contest operators and having a great time . . . **WX7P**.

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.)

2005 SSB RESULTS

SINGLE OPERATOR

NORTH AMERICA

UNITED STATES

K5ZD/1	A	5,553,841	3402	131	470
(OP: KM3T)					
AA1ON	*	1,883,310	1590	99	340
W1AO	*	1,806,588	1400	103	366
N1ND	*	1,269,168	1153	92	317
N1IK	*	1,237,775	1170	82	303
W1CU	*	1,077,804	884	97	344
W1WEF	*	1,041,179	1078	92	275
W1AA	*	956,551	907	83	304
K1UQ	*	944,531	838	91	317
W1OP	*	612,912	698	76	263
W1ZK	*	498,264	597	77	235
K5MA/1	*	440,568	621	58	203
W3IZ/1	*	437,670	671	61	209
W6ZF/1	*	383,320	502	59	221
N3CKJ/1	*	329,265	497	59	212
K1BD	*	306,432	447	66	200
K1BV	*	342,519	518	54	200
W1FM	*	265,031	415	60	187
K1VW	*	242,757	353	55	188
N1ZZ	*	239,564	398	78	193
W1ZS	*	234,491	397	51	176
K2M/1	*	193,980	651	20	86
K1CN	*	191,864	322	46	173
WE1H	*	119,880	239	44	141
NW1A	*	117,404	303	54	142
K1KU	*	114,330	273	49	136
K1KL	*	85,176	200	45	124
N1JW	*	83,420	214	48	124
W6KOK/1	*	78,246	175	56	133
W2Q/1	*	40,590	145	32	78
K1DX	*	29,848	119	32	72
KB1LAX	*	3,572	43	13	25
W7JAM/1	*	2,009	36	14	27
KD10G	*	1,705	38	17	32
KA1ZD	21	110,166	346	29	100
WC1M	14	599,696	1492	31	117
W1OHM	*	27,690	135	17	61
A1BEP	*	2,560	33	10	22
K2RR/1	3.7	57,285	260	20	75
K2LP/1	*	1,206	27	8	18
KT1V	1.8	27,807	244	14	55
W1ZT	*	799	28	6	11
*N1UR	A	1,577,730	1288	102	360
*WA1S	*	1,221,903	1111	88	323
*N1PGA	*	1,140,800	1041	86	314
*W1KT	*	1,034,722	860	99	343
*W1WQ	*	875,826	873	80	298
*K1HT	*	559,616	618	82	265
*W2ZU/1	*	348,920	463	67	219
*AK1O	*	292,329	440	55	188
*K1NSS	*	168,586	369	45	149
*KA1C	*	132,618	290	49	137
*K1SE	*	88,184	224	38	113
*N1DC	*	69,552	195	35	103
*W1LZ	*	60,760	181	31	93
*K1VU	*	48,512	160	35	93
*KB1FRK	*	26,675	120	27	70
*W1EQ	*	21,840	100	18	60
*K01F	*	21,330	90	27	63
*KA1CQR	*	14,651	94	33	58
*K1WCC	*	14,630	81	24	53
*KA1CJI	*	12,740	74	22	48
*N1DS	*	12,584	91	26	62
*W1CRK	*	6,095	47	17	36
*KA1EKR	*	5,814	42	18	39
*KB1JUF	*	4,701	46	10	33
*K1C1J	*	3,196	40	14	33
*KA1VMG	*	2,280	36	12	26
*K1KAV	*	35	3	3	2
*K1 SND	14	22,896	128	14	58

N2LT A 2,377,892 1819 109 375

N2RM * 1,713,573 1508 97 326

N2MM * 1,378,150 1255 96 334

WE2F * 1,046,272 1454 56 212

K2UOP * 652,320 682 88 272

W2LU * 549,010 726 80 261

NA2P * 502,600 565 82 268

K2FU * 362,080 533 64 228

N2MR * 346,797 469 67 212

K2UT * 274,560 372 62 202

N2MUN * 246,064 428 46 162

N2ED * 208,290 327 66 196

W2UDT * 168,872 318 54 155

KB2DE * 162,766 319 44 150

W2FUI * 99,357 213 47 139

N2CU * 59,983 178 40 93

N2SY * 47,104 143 41 87

N2BEE * 40,748 156 29 93

KM2L * 36,663 135 28 73

N2SQW * 28,167 102 36 87

W2P * 13,825 78 26 53

W2OP * 1,016 45 12 52

WA2BKN * 4,931 45 20 32

KC2HW * 4,389 52 21 36

KB4VL/2 * 1,376 25 11 21

KC2MDO * 374 11 8 9

K2XA 14 675,273 1621 33 126

KD2RD * 504,488 1258 34 118

WA2NHA * 195,696 539 30 109

N2GC 7 28,028 114 20 71

*K2CS A 365,284 520 66 202

*NA2NA 329,810 415 65 230

*WB2WPM * 317,730 497 57 198

*K2X5 * 196,318 353 49 157

*W2YK * 156,148 282 52 154

*KC2GOW * 126,477 257 54 153

*NJ2BB * 113,300 281 53 153

(OP: W2OP) * 101,403 225 46 125

*K2VSY 1.8 4,387 61 10 31

*W3LL A 966,966 862 98 331

*K2ZS * 123,623 269 43 138

*W3RH * 110,044 254 44 120

*W2VU * 49,700 142 42 100

*N2USM * 68,665 229 38 117

*W2WU * 46,512 157 32 82

*AB2TC	*	41,992	151	36	80	*K3IRV	*	48,714	157	41	97	W4STB	*	33,465	123	35	80	*KU5D/4	*	20,805	107	31	64
*NJ1F/2	*	30,790	117	38	76	*W3HVO	*	39,520	166	41	89	W4HU	*	8,976	63	24	42	*KG4RTA	*	19,982	99	31	64
*W2ARP	*	20,970	112	22	68	*W3DQN	*	27,840	150	36	84	NT4D	*	6,400	47	14	36	*W3TB/4	*	19,762	100	28	54
*W2Z2OW	*	19,206	90	31	75	*N3FNE	*	25,009	109	28	61	W1GUD/4	*	5,832	53	29	74	*W3ADOU	*	19,402	80	28	61
*N2MTG	*	17,688	89	29	59	*W3GNO	*	22,800	115	28	72	K4DXU	*	2,898	32	18	24	*K4DMZ	*	19,120	103	20	60
*K2SY	*	17,578	90	29	55	*K3TRR	*	17,974	78	28	58	K4EA	21	448,635	1018	33	132	*N4TX	*	19,819	101	28	57
*N2OKD	*	14,872	98	24	64	*K2WGR	*	13,984	95	26	64	N4PN	*	321,372	816	34	124	*W4BNO	*	15,170	97	27	55
*K2KTZ	*	12,920	85	21	55	*K3VED	*	11,844	94	29	55	N4CT	*	254,332	644	31	115	*W4OCG	*	16,067	93	24	57
*K2LNC	*	7,124	19	27	27	*W3FLH	*	8,680	74	16	46	K4UTE	*	175,764	424	32	119	*KG9BY/4	*	12,775	75	21	52
*K2DL	*	5,084	19	8	16	*K2XH	*	10,948	72	24	44	K4UTE	*	18,924	324	28	98	*W4AFX	*	12,480	76	25	53
*K2CKME	*	5,096	18	11	27	*W3CHX	*	7,942	24	26	42	K4UTE	*	17,200	404	30	108	*W4OSD	*	14,329	75	22	46
*K2N2G	*	5,044	12	6	10	*W3G	*	7,942	24	26	42	K4UTE	*	17,200	404	30	108	*W4E4EC	*	10,281	73	22	47
*K2N2G	*	5,044	12	6	10	*W3G	*	7,942	24	26	42	K4UTE	*	17,200	404	30	108	*W4E4EC	*	10,281	73	22	47
*K2N2G	*	5,044	12	6	10	*W3G	*	7,942	24	26	42	K4UTE	*	17,200	404	30	108	*W4E4EC	*	10,281	73	22	47
*K2N2G	*	5,044	12	6	10	*W3G	*	7,942	24	26	42	K4UTE	*	17,200	404	30	108	*W4E4EC	*	10,281	73	22	47
*K2N2G	*	5,044	12	6	10	*W3G	*	7,942	24	26	42	K4UTE	*	17,200	404	30	108	*W4E4EC	*	10,281	73	22	47
*K2N2G	*	5,044	12	6	10	*W3G	*	7,942	24	26	42	K4UTE	*	17,200	404	30	108	*W4E4EC	*	10,281	73	22	47
*K2N2G	*	5,044	12	6	10	*W3G	*	7,942	24	26	42	K4UTE	*	17,200	404	30	108	*W4E4EC	*	10,281	73	22	47
*K2N2G	*	5,044	12	6	10	*W3G	*	7,942	24	26	42	K4UTE	*	17,200	404	30	108	*W4E4EC	*	10,281	73	22	47
*K2N2G	*	5,044	12	6	10	*W3G	*	7,942	24	26	42	K4UTE	*	17,200	404	30	108	*W4E4EC	*	10,281	73	22	47
*K2N2G	*	5,044	12	6	10	*W3G	*	7,942	24	26	42	K4UTE	*	17,200	404	30	108	*W4E4EC	*	10,281	73	22	47
*K2N2G	*	5,044	12	6	10	*W3G	*	7,942	24	26	42	K4UTE	*	17,200	404	30	108	*W4E4EC	*	10,281	73	22	47
*K2N2G	*	5,044	12	6	10	*W3G	*	7,942	24	26	42	K4UTE	*	17,200	404	30	108	*W4E4EC	*	10,281	73	22	47
*K2N2G	*	5,044	12	6	10	*W3G	*	7,942															

		ASCENSION ISLAND													
		A 8,452,150 5025 139 450 (OP: N6TJ)													
		CANARY ISLANDS													
		EABKV A 323,190 704 55 135 EABAH 21 1,667,064 3652 37 131 (OP: OH1RY)													
		EABLX * 227,260 758 27 03 (OP: OH2MM)													
		EABEA 14 1,206,918 247 38 133 (OP: OH2MM)													
		EABAG 14 59,340 418 22 64 (OP: OH2MM)													
		CAPE VERDE													
		D4TD 14 2,222,829 4218 38 151 (OP: IV3TAN)													
		CEUTA & MELILLA													
		EA9LZ A 5,968,812 3905 118 439 EA9GW 28 9,216 114 8 28													
		DOMINICAN REPUBLIC													
		YV1CO 14 89,310 625 25 40 *VE8NSD A 2,289 73 11 10 *VE8ND 14 53,908 620 20 28													
		CAYMAN ISLANDS													
		ZF2AH 7 235,935 990 22 85													
		COSTA RICA													
		*T1JCY 14 74,188 666 20 48 *T13MAO 14 37,819 357 19 40													
		CUBA													
		AL1G A 263,262 1219 41 61 KL7RA 1.8 6,504 143 10 14 *WL7BDO A 4,768 63 16 16													
		GRENADA													
		KG4WW 14 284,676 1548 19 65 *J3/SP9PJT 21 284,676 1548 19 65 *J3/SP9BQJ 7 49,470 281 18 77													
		DOMINICAN REPUBLIC													
		*T13TEJ 7 286,794 1212 24 89													
		MADEIRA ISLANDS													
		CQ9T 1.8 18,620 139 9 40 (*OP: CT3KN)													
		MADAGASCAR													
		5R8FU A 340,010 512 65 177													
		MADEIRA ISLANDS													
		CNR2 7 1,558,611 3271 35 132 (*OP: W7EJ)													
		*CN8SG A 1,536,724 1943 61 223 *CN8YE * 23,088 110 22 32 *CN8NK 21 1,366,290 3185 32 121													
		MOROCCO													
		CN2R 7 1,457,420 3104 114 371 (*OP: N4HK)													
		NIGER													
		SU7JB A 4,157,420 3104 114 371 (*OP: N4HK)													
		SU7TB * 1,084,192 1546 64 208 (*OP: N4HK)													
		REUNION													
		FR1HZ A 519,585 967 49 152 (*OP: W7EJ)													
		SENEGAL													
		SU7RP A 336 51 11 24 (*OP: Z5ACT)													
		SOUTH AFRICA													
		ZS4AU A 2,847,960 2802 90 270 ZS5NK * 764,120 103 71 209 ZS6BRZ * 264,209 486 66 137 ZS5ZBZ * 48,400 170 42 79 (*OP: Z5ACT)													
		ZS4JAN 28 20,234 126 15 52 ZS9Z 21 54,516 279 19 58 (*OP: Z5ACT)													
		SUDAN													
		ST2T 21 2,128,040 2955 32 116 (*OP: S57DX)													
		TANZANIA													
		*5H3EE 21 617,848 1589 30 106 (*OP: DL4SM)													
		UGANDA													
		AFGHANISTAN													
		T6X A 397,248 1020 58 134 (*OP: RW3AH)													
		ARMENIA													
		EK3SA 21 243,264 942 24 72 (*OP: XE1UN)													
		ASIA													
		AFGHANISTAN													
		*XE1F5K * 419,862 1228 57 117 *XE2AUH * 207,414 567 54 113 *XE1YJS * 177,031 602 58 121 *XE2MXA * 85,789 362 43 78 *XE1ZTW * 51,528 181 22 72 *D8C * 43,384 309 26 32 (*OP: XE1BEF)													
		TANZANIA													
		*5X1RI 14 450 12 8 10 (*OP: DL4SM)													
		ASIA													
		AFGHANISTAN													
		*T6X A 3,402,678 3089 116 370 (*OP: N4HK)													
		PANAMA													
		*NP3CW A 1,613,396 750 39 111 (*OP: K3NN)													
		PUERTO RICO													
		*NP4RV * 69,903 492 36 61 *WP3GW * 76,111 233 43 88 *NP4CJR * 18,746 111 35 56 (*OP: XE1UN)													
		PUERTO RICO													

*RA9FR	*	79,856	286	51	133	*4Z5FI	A	104,938	276	44	98	*J03COF	"	42	3	3	3	SINGAPORE	"	19,750	209	15	64	
*RV9XE	*	76,962	238	25	102	*4Z4TL	"	70,452	270	58	93	*J13BFC	14	120,292	399	36	86	9V1UV	A	48,077	230	53	78	
*RA9SK	*	72,206	270	39	119	*4Z5KZ	"	35,752	135	35	74	*JN3DSH	"	42,680	197	31	66	9V1AL	A	156	9	5	7	
*RX9WN	*	68,134	167	54	109	*4X6UU	"	27,911	92	42	71	*J3ADY	"	12,650	91	20	35	9V1YC	14	320,271	926	36	115	
*UA9UJK	*	73,506	193	51	115	JAPAN						*J03FUO	"	1,260	19	11	17	(OP: J1BDX)						
*UA9ODE	*	62,055	256	21	84	JR1BAW	A	1,813,448	2047	113	263	JH4UYB	A	3,454,647	2781	134	363	*BU2AO	A	54,436	258	49	75	
*UA9MF8	*	61,908	224	36	96	JR1WKO	A	874,152	857	124	302	JH4RNW	"	198,990	410	72	129	TAJIKISTAN						
*RU9UC	*	42,750	156	33	81	(OP: LA6LTO)						JH4EZF	"	19,646	103	38	56	EY8MM	7	714,296	1814	34	132	
*RK9XW	*	27,468	121	25	59	JA1TMG	A	484,692	788	10	80	JH4DHN	"	8,810	92	22	41	-EY7AB	21	19,200	156	17	47	
*RK9UC	*	26,216	141	37	79	JH15OC	A	406,505	703	73	136	JE4VMW	21	44,161	1251	35	108	THAILAND						
*RA9BZ	*	24,189	132	24	60	JH1EVQ	"	369,018	553	97	14	JM4WUZ	14	43,011	213	27	54	*HS0ZEE	A	835,560	1315	102	258	
*RZ9WF	*	15,477	103	19	48	JH1PVX	"	202,230	432	63	126	*J4AAOR	A	57,856	207	40	73	*HS0T	"	180,544	614	64	118	
*UA9OV	*	7,406	59	14	32	JH1VAY	"	119,002	231	79	120	*J4ABA	"	39,171	160	47	65	(OP: HS1CKC)						
*UA9SAW	*	4,712	45	10	28	JN1BMX	"	102,960	258	63	102	*JH1GUO/4	"	9,563	78	30	43	T930	28	100,980	702	26	82	
*RX9FB	*	2,250	29	20	25	J71ABD	"	84,785	223	59	96	*JH4OYA	"	877	23	7	7	T960	21	1,152,180	2794	39	146	
*RN9AA/9	*	1,271	20	13	18	JH1OC	28	28,835	166	21	52	*E20YLM	"	5,720	69	22	30	(OP: ZT1DU)						
*RA9DT	*	288	14	8	8	JL1JHN	"	7,150	100	20	30	*HS1OHV	"	5,394	44	24	34	T97C	3.7	128,304	1257	15	14	
*RA9KM	21	113,940	475	25	83	JH1ACA	21	153,388	498	35	99	JAC5PO	A	44,528	178	44	77	JT930	21	8,730	31	37	81	
*RA9UN	*	47,878	297	15	77	JQ1NGT	A	109,858	494	27	71	JAS5PU	21	148,934	576	32	67	L1Z1BC	A	61,006	231	37	81	
*RV9CLF	*	15,903	123	12	45	JH1OCG	14	331,650	988	37	137	JAS5SSG	14	12,011	87	19	40	L1Z1J	*	3,288	51	9	15	
*RA9AHY	*	9,655	121	13	34	JA1ELY	7	199,220	583	35	105	*JR5HXU	21	16,488	101	22	50	L2Z9X	28	77,748	456	27	87	
*RA9AU	14	293,896	902	30	92	JH1AEP	"	85,260	326	32	73	JH4WJL	B	69,615	327	23	68	LZ52	21	38,976	255	22	62	
*UA9AX	*	163,755	463	33	102	JA1FKX	"	1,904	44	8	8	JH4BGA	"	26,528	149	22	55	ZC4LI	28	95,355	530	12	53	
*RZ9OO	*	124,800	410	30	90	*JG1TVK	A	263,067	425	86	172	JH4AV	"	14,616	113	18	52	UK BASES ON CYPRUS						
*RA9XU	*	100,672	431	22	82	JAIYGO	"	204,314	370	74	152	JH4WVF	7	9,238	70	22	40	UK9AA	7	218,120	733	31	102	
*RA9JP	*	40,400	211	23	63	*JQ1QDHH	"	166,633	373	55	124	JH4GCE	3.7	22,875	173	17	44	UNITED ARAB EMIRATES						
*RA9HTO	*	27,456	194	14	52	JH1HUUT	"	129,444	363	57	104	*JH6WHN	A	409,656	558	98	205	A61IM	14	11,712	119	10	38	
*RZ9IB	*	27,389	177	12	49	JH1ABP	"	106,352	295	47	106	JH4OFJ	"	25,972	572	64	114	L1Z1QF	*	112,266	443	49	149	
*RW9DX	7	116,957	482	25	84	JAI1CD	"	57,908	206	45	79	JH4UHZ/6	"	50,290	208	26	67	L1Z1OV	*	26,211	99	44	89	
*UA9ACJ	*	55,045	245	20	77	JAI1HUY	"	50,000	218	47	77	JH4JYV	"	6,771	69	26	35	L2Z2G	*	6,210	48	26	43	
*UA9AL	1.8	3,129	65	6	15	JAI1BUJ	"	48,108	165	42	72	JR6VIX/6	"	1,200	16	14	66	L2Z2GJ	*	3,876	39	21	71	
RK0UT	A	773,439	1492	83	200	JF1MOS	A	43,155	179	40	65	*JH6AUS	28	45,528	244	24	60	UKJ2MED	A	204,036	714	40	107	
RM0CF	*	592,044	1004	95	214	JAI1HNW	"	42,822	160	51	71	JAE6BIF	21	3,168	58	12	20	WEST MALAYSIA	A	1,944,630	2190	110	300	
UA0AZ	*	462,210	677	21	89	JAI1PQW	"	40,657	160	43	66	JAE6FCL	14	2,427	31	15	9M2CNC	A	7,731	95	7	34		
RW0AO	*	322,844	794	46	126	JR1MRG	"	38,896	160	45	59	JAT7YSS	"	119,153	301	49	114	CRETE	SV9/0H4FR	21	350,526	2216	25	88
DA0APV	*	295,056	623	61	155	JAT1Z	"	37,030	131	44	71	JAT7NF	A	1,502,228	1703	111	253	ALBANIA	9A2VR	A	121,986	554	59	159
RU0AW	*	267,778	530	53	154	JAT1BPN	"	33,411	111	42	69	JAT7COI	"	426,600	738	76	149	CROATIA	9A9A	28	169,743	748	30	107
RA0AA	*	250,268	645	57	121	JAT1KK	"	35,618	143	48	67	JAT7JH	"	7,957	164	60	107	ZC4LI	1.8	30,935	530	12	53	
UA0DC	*	197,640	671	61	112	JEC1OB	"	28,512	147	38	50	JAT7WD	28	24,618	170	20	46	UK BASES ON CYPRUS						
RW0UU	*	120,212	382	55	109	JAST1SY	"	24,750	134	41	69	JH7XMO	A	362,500	995	35	110	UK9AA	7	218,120	733	31	102	
RA0ZD	*	59,214	168	54	88	JK1NSR	"	18,648	97	34	50	JAT1LMZ	A	269,876	513	70	142	UK BASES ON CYPRUS						
RA0AB	*	149,864	619	57	86	J01SJM	"	2,970	50	13	20	JAT7BMO	"	156,798	350	65	121	UK BASES ON CYPRUS						
RA0BA	*	101,178	309	43	111	JJ1WVL	"	2,583	30	16	86	JAT7XGN	3.7	730	28	9	9	EUROPE	ZC4L3N	A	352,946	1058	56	207
RA0OCW	*	66,700	291	30	86	JH1SWD	"	1,320	18	14	16	JF1VNL/7	"	16,936	101	27	46	ALAND ISLANDS	ZC4L3M	A	3,622	56	11	28
RA0FOO	*	30,800	164	39	61	JG1FGF	"	827	17	11	14	JF1WPV	"	11,718	80	27	36	UK BASES ON CYPRUS	ZC4L3P	A	1,707	60	30	107
RA0LE	*	32,776	196	42	75	JE1SCJ	"	209	12	10	9	JH8DEH	14	62,255	324	26	48	UK BASES ON CYPRUS	ZC4L3Q	A	1,707	60	30	107
RW0LD	*	28,466	150	42	59	*JNU20C	28	5,985	69	18	27	JABBMK	7	96,904	395	35	82	UK BASES ON CYPRUS	ZC4L3R	A	1,707	60	30	107
RA0DFX	*	23,406	173	43	51	JAT1XZT	"	3,341	43	14	26	JABC8Y	A	200,970	403	73	137	UK BASES ON CYPRUS	ZC4L3S	A	1,707	60	30	107
RA0ONV	*	17,794	137	24	58	JH1HFJ	"	1,972	38	13	16	JAB8CY	"	44,928	153	48	69	UK BASES ON CYPRUS	ZC4L3T	A	1,707	60	30	107
RA0SD	14	125,216	460	30	82	JET1AD	"	6,862	63	17	30	JAT9OVS	"	980	25	42	62	AZORES	9A2VR	A	1,707	60	30	107
RA0WC	*	37,324	130	6	34	JET1ADP	"	1,942	52	15	35	JAT9VPS	7	1,057	214	22	42	AZORES	9A2VR	A	1,707	60	30	107
*RA0AD	*	390	17	7	6	JAT1BZG	"	1,978	34	11	12	JAT9WLN	"	10,280	103	37	53	AZORES	9A2VR	A	1,707	60	30	107
*RA0AJ	*	1,204	270	84	132	JAT1BZG	"	1,978	34	11	12	JAT9WLN	"	1,794	32	11	15	AZORES	9A2VR	A	1,707	60	30	107
*RA0J	*	1,204	270	84	132	JAT1BZG	"	1,978	34	11	12	JAT9WLN	"	1,794	32	11	15	AZORES	9A2VR	A	1,707	60	30	107
*RA0J	*	1,204	270	84	132	JAT1BZG	"	1,978	34	11	12	JAT9WLN	"	1,794	32	11	15	AZORES	9A2VR	A	1,707	60	30	107
*RA0J	*	1,204	270	84	132	JAT1BZG	"	1,978	34	11	12	JAT9WLN	"	1,794	32	11	15	AZORES	9A2VR	A	1,707	60	30	107
*RA0J	*	1,204	270	84	132	JAT1BZG	"	1,978	34	11	12	JAT9WLN	"	1,794	32	11	15	AZORES	9A2VR	A	1,707	60	30	107
*RA0J	*	1,204	270	84	132	JAT1BZG	"	1,978	34	11	12	JAT9WLN	"	1,794	32	11	15	AZORES	9A2VR	A	1,707	60	30	107
*RA0J	*	1,204	270	84	132	JAT1BZG	"	1,978	34	11	12	JAT9WLN	"	1,794	32	11	15	AZORES	9A2VR	A	1,707	60	30	107
*RA0J	*	1,204	270	84	132	JAT1BZG	"	1,978	34	11	12	JAT9WLN	"	1,794	32	11	15	AZORES	9A2VR	A	1,707	60	30	107
*RA0J	*	1,204	270	84	132	JAT1BZG	"	1,978	34	11	12	JAT9WLN	"	1,794	32	11	15	AZORES	9A2VR	A	1,707	60	30	107
*RA0J	*	1,204	270	84	132	JAT1BZG	"	1,978	34	11	12	JAT9WLN	"	1,794	32	11	15	AZORES	9A2VR	A	1,707	60	30	107
*RA0J	*	1,204	270	84	132	JAT1BZG	"	1,978	34	11	12	JAT9WLN	"	1,79										

*OK2YT	1.8	6,314	159	4	37	RA6AFB	3.7	23,616	321	14	58	OH3JR	"	471,468	714	89	315	DL6AG	"	48,732	144	47	84	DH9KR	"	9,545	103	23	60	
*OK1JOK	"	5,676	172	5	38	RA6AMA	"	23,025	256	13	62	OH1BV	"	437,296	898	75	227	DK4IO	"	48,240	212	32	88	DH6BH	"	8,890	145	39	88	
*OK2BQL	"	5,166	138	4	38	UA1OMS	"	19,108	212	15	53	OH6OS	"	265,232	488	77	197	DL3EBX	"	37,009	184	27	92	DL3NGN	"	8,588	86	24	52	
*OK2VP	"	1,050	44	4	21	RK6ABM	"	1,824	62	7	25	OH1EB	"	248,200	533	67	225	DL8KJ	"	36,425	181	42	113	DL2DVL	"	8,520	75	28	43	
RA1HKO	"	7	10,921	144	14	53	UA3ABJ	"	644,245	1137	86	309	OH1MA	"	198,924	451	55	187	DJ5VB	"	34,425	226	41	112	DG4MA	"	6,624	79	19	50
RA1HKO	1.8	125,178	1264	6	77	RX3ZX	"	524,858	887	76	283	OH5NS	"	147,200	445	52	178	DC9DYL	"	23,800	107	31	63	DL2OT	"	6,278	61	18	25	
*OZ1ACB	A	210,897	544	49	170	RA3FDX	"	373,425	743	70	255	OH1OA	"	124,605	495	29	106	DC3HB	"	19,046	111	31	58	DC1MBB	"	6,160	93	14	56	
*OZ2PI	"	147,159	324	59	190	RNACO	"	372,125	762	62	263	OH2BP	28	16,008	182	17	52	DK00G	"	17,028	143	27	59	DG0DG	"	6,120	59	22	46	
*OZ7AM	"	94,062	376	49	134	RZ3DA	"	329,766	635	88	278	OH4R	21	734,125	2196	39	136	(OP: DL2RMC)	"	5,460	44	25	40	DC1MPP	"	4,189	66	13	46	
*OZ1RD	"	47,541	236	45	114	UA3WHF	"	271,950	437	77	217	OH5Z	"	527,692	1453	40	139	(OP: OH4JPN)	"	3,360	66	17	43	DJ2T	"	3,300	65	8	42	
*OZ9EC	"	12,546	113	33	69	RV6BC	"	253,953	662	62	199	OH5Z	"	527,692	1453	40	139	(OP: OH4JPN)	"	2,496	36	12	20	(OP: NO1JP)	"	2,960	47	16	24	
*OZ4EL	"	12,384	98	29	67	RW1CW	"	243,930	692	58	224	OH2XF	"	91,612	286	34	114	(OP: OH5KS)	"	1,860	34	12	19	DJ4KUG	"	5,301	44	23	34	
*OZ4RT	"	9,727	82	23	48	RW3DL	"	228,464	520	53	209	OH6KN	14	1,710,648	3911	38	146	DJ1OA	"	702	29	6	3	DJ7CH	"	13,462	265	27	100	
*OZ6QO	"	6,556	86	22	45	RW3GB	"	192,955	412	71	188	OH6KN	"	101,644	286	34	114	DK5AU	"	11,502	64	28	53	DJF2PH	"	5,184	49	19	35	
*OZ5DB	"	4,500	71	23	52	RA3GJ	"	164,478	490	51	186	OH8L	"	851,694	2425	39	147	DK4JM	"	11,457	91	22	35	DJ7CU	"	4,968	59	15	31	
*OZ1DGO	"	1,911	44	14	55	U1BA	"	142,410	494	44	158	OH8L	"	851,694	2425	39	147	DC60AG	"	7,826	101	11	32	DJ1TPY	"	4,617	100	11	46	
*OZ1H	21	30,875	115	31	94	RX3AW	"	137,804	412	48	140	OH8L	"	851,694	2425	39	147	DC8OT	"	7,192	57	20	42	DJ5LV	"	4,484	84	8	51	
*OZ1VX	14	38,232	283	18	63	RD3AD	"	137,170	467	40	175	OH5LF	3.7	224,264	1383	29	107	DL4MCF	"	176,000	114	205	306	DL2YET	"	4,354	66	13	52	
*OZ1VX	"	1,292	58	10	28	UA3QIX	"	134,550	461	48	182	OH1TX	"	103,540	546	29	95	DL4MF	"	1,300	66	13	52	DJ2T	"	3,300	65	8	42	
*OZ7AEI	3.7	4,028	98	6	32	RV3MI	"	121,394	366	48	155	OH1ZHE	A	125,350	384	54	176	DL4MF	"	1,815	35	13	20	(OP: DL2RMC)	"	1,815	35	13	20	
ENGLAND	M6T	A	4,685,268	3898	127	451	RA4LC	"	111,776	410	43	181	OH2LP	"	81,200	301	48	152	DL4MF	"	184,824	745	30	106	DJ3FR	"	1,534	59	16	43
G4DBL	"	922,131	1413	89	280	RA3VIA	"	109,848	429	39	145	OH3HS	"	40,166	152	40	111	DK1FW	A	512,875	661	93	280	DJ3FR	"	1,620	59	16	43	
M0WLF	"	645,280	1456	54	164	UA3NR	"	104,674	379	44	155	OH9GIT	"	7,140	101	24	46	DL3EA	"	512,875	661	93	280	DJ3FR	"	1,620	59	16	43	
G9Z	"	244,970	933	41	146	UA1AFZ	"	80,136	358	38	130	OH5DX	"	7,128	67	24	48	DR4G	"	129,465	541	31	104	DJ3FR	"	1,534	59	16	43	
G3LUW	"	159,698	475	53	134	RA6DE	"	78,526	233	47	111	OH6GFJ	"	754	27	12	17	DL1K0H	"	72,684	400	24	84	DJ3FR	"	1,426	21	14	17	
G0MYX	"	89,540	336	44	141	RW4FX	"	75,342	279	47	127	OH4GRM	"	210	16	7	14	DM5JB	"	20,515	172	13	42	DJ3FR	"	1,426	21	14	17	
G0VQR	"	12,267	118	18	69	RN1NP	"	73,315	396	37	118	OH4YT	21	26,810	173	21	51	DM2DX	"	598,367	96	92	317	DJ3FR	"	1,620	59	16	43	
G0JTN	"	152	13	4	4	RN6FK	"	71,808	163	68	136	OH3MC	"	6,348	55	18	28	DL2YED	"	16,929	153	55	201	DJ3FR	"	1,620	59	16	43	
G0EV	28	64,263	417	21	72	RU3WR	"	69,810	268	47	132	OH5TS	14	135,386	531	34	105	DL2YED	"	16,929	153	55	201	DJ3FR	"	1,620	59	16	43	
M0CYB	21	2,376	40	10	14	RA3QOG	"	66,185	380	33	122	OH6RC	"	5,980	57	11	42	DL2YED	"	198,912	553	55	201	DJ3FR	"	1,620	59	16	43	
M7Z	14	898,184	2264	37	155	RX3FUW	"	66,021	289	42	135	OH4UFW	"	174,000	440	21	55	DL7UX	"	175,032	510	50	171	DJ2XC	14	54,742	350	21	80	
G3RAU	"	406,174	1185	31	115	RK3AQW	"	62,604	328	38	134	F5VJK	A	2,506,218	2513	112	394	DL7BX	"	157,765	382	59	168	DJ2XC	"	24,057	207	18	63	
G3TFX	"	7	3,440	46	12	31	RV1CB	"	59,187	167	48	133	F5BBD	"	850,845	1272	91	302	DL7CX	"	155,472	334	68	178	DJ4MCB	"	16,835	200	14	51
G3CEN	3.7	6,916	123	9	43	RZ6HAZ	"	50,134	333	44	141	F5RAB	"	609,984	1073	85	203	DL7CX	"	152,720	305	61	169	DJ7UIO	"	8,120	105	13	45	
*G0MTN	A	569,742	1027	74	279	RJ3FA	"	55,014	226	43	130	F5KAB	"	101,354	411	44	171	DK1FW	"	151,848	441	45	166	DJ5XH	"	1,426	21	14	17	
*G4LDL	"	209,355	505	61	194	UA4SMM	"	51,986	251	32	107	F1TX1	"	133,144	415	53	125	DL0H	"	140,392	530	48	170	DJ6WB	"	1,697	42	8	22	
*G4ADJ	"	192,720	531	49	170	RW3LL	"	49,760	205	43	117	F6XCY	"	50,832	221	39	105	DL6BE	"	122,211	382	59	168	DJ6BE	"	1,221	40	7	20	
G0KDS	"	180,348	529	52	174	UA3AAP	"	48,160	264	42	130	F8YDQ	"	45,466	219	38	89	DL5NAV	"	137,144	351	59	158	DJ6BE	"	1,221	40	7	20	
*MSFUN	"	140,220	409	58	147	RA4NC	"	47,388	248	30	120	F8YDQ	"	128,304	188	44	108	DL5NAV	"	133,056	461	44	172	DJ6WE	"	1,221	40	7	20	
*G4FKA	"	104,111	354	39	100	RA3DAH	"	46,964	251	33	85	F4EIZ	A	438,516	893	73	260	DL5NAV	"	124,334	430	50	164	DJ6WE	"	16,835	200	14	51	
*M0DDT	"	98,600	317	53	147	RJ3XK	"	44,640	281	35	135	F4EIV	"	431,618	1088	56	197	DL5NAV	"	125,312	435	47	131	DJ6WE	"	8,120	105	13	45	
*MS5JM	"	9,737	298	91	130	RZ3AR	"	19,760	136	27	68	F4EYQ	"	393,204	768	74	228	DL5NAV	"	124,334	430	50	164	DJ6WE	"	16,835	200	14	51	
*G4NXG	"	3,185	77	8	27	RW3WS	"	1,353	19	14	19	F4EYQ	"	102,238	357	44	150	DL5NAV	"	122,430	258	61	149	DJ6WE	"	8,120	105	13	45	
*G55CX	"	1,385	77	9	23	RW3AA	"	1,350	28	19	11	F4EYQ	"	1,365	759	100	55	DL5NAV	"	106,582	376	44	117	DJ6WE	"	12,366	33	45	137	
*E55RM	14	1,392	38	9	23	UA4FX	"	1,350	28	19	11	F4EYQ	"	1,365	516	51	19	DL5NAV	"	11,404	226	33	85	DJ6WE	"	12,366	33	45	137	
*E51IP	7	289	15	4	13	RA3FD	"	300	12	6	9	F5LEN	1.8	7,740	189	6	39	DL5NAV	"	11,404	226	33	85							

IK3UNA	*	497,169	860	82	251	YL9T	*	811,876	1796	75	263	SNSN	*	770,350	1080	92	258	*SPSWLO	*	1,500	48	14	36	*Y09CWY	*	20,822	203	17	41		
IR2K	*	187,775	519	55	130	(OP: IK2KJW)	YL5W	14	738,500	2476	38	76	(OP: YL2TW)	SP9QMP	*	281,505	1062	33	114	*SP9UJM	*	1,408	19	13	19	*Y08KGA	14	221,130	1346	31	86
IK1JJM	*	136,448	357	53	155	YL2BZ	*	69,099	614	20	73	(OP: YL2GN)	SP2JMB	*	108,990	450	54	119	*SP5GMM	*	1,200	20	14	16	*Y04BEK	*	7,713	146	9	36	
IK2UCK	*	111,585	352	53	162	YL2BZ	A	170,170	629	42	179	(OP: YL2IP)	SP6RLK	*	74,871	224	58	119	*SP7OUL	*	946	19	15	13	*Y09W	*	6,179	165	7	30	
I2OFWFE	*	106,080	445	47	157	*YL2CR	A	53,040	198	43	127	(OP: YL2IP)	SP1PT	*	68,208	205	61	135	*SQ5SLN/4	*	348	22	10	19	*Y07LYM	*	10	5	3	5	
I28DSX	*	104,160	471	42	113	*YL2IP	*	41,454	249	23	71	(OP: YL2IP)	SP1RKT	*	32,007	247	40	101	*SQ5MGG	*	342	22	7	12	*Y07LFV	7	71,982	770	16	77	
I4XNN	*	26,334	119	42	84	*YL3BZ	21	50,112	260	22	78	(OP: YL2IP)	SP5BWV0	*	25,990	160	28	85	*SQ5ESM	*	56	10	4	10	*Y04RDN	3,7	26,733	420	11	56	
IW3HGX	*	16,274	95	39	64	*YL2PJ	*	41,454	249	23	71	(OP: YL2IP)	SP2JMR	*	19,809	121	31	62	*SP9IQO	*	24	36	5	19	*Y06ADW	*	13,654	225	7	52	
IK3SWB	*	10,710	99	18	67	LITHUANIA						SP4LXC	*	15,900	86	36	64	*SP3LWP	28	17,792	164	20	44	*Y08MI	*	5,207	118	7	38		
IK4ZGO	*	4,392	66	17	44	LY2FN	A	609,000	1039	96	310	SP9BGS	*	4,224	57	18	46	*SP5SLC	*	14,986	165	17	42	SARDINIA		385,140	1797	29	102		
IW2MWZ	*	2,301	28	16	23	LY4CW	*	489,118	954	82	261	SP8SN	*	3,740	31	17	27	*SP5PXY	*	14,839	147	20	51	IS0/WH0Q	14	OP: IN3ZN					
IC4SP	28	2,195	36	11	18	LY4CO	*	181,185	439	71	186	SP1DPA	*	1,820	20	16	19	*SP4ELV	*	14,742	126	18	45	IS0DFC	*	315	50	7	28		
IR5T	14	613,870	2010	36	121	LY4OO	*	100	56	17	39	SP1BBT	*	52	8	6	7	*SP9DSD	*	13,936	131	22	45	IS0/K7QB	1.8	35,880	494	10	59		
IR2M	*	415,470	1324	37	128	LY2AE	*	162,360	485	59	187	SO6R	28	9,384	151	16	35	*SP9CWO	*	8,250	115	15	35	IS0/WH0Q	14	OP: IN3ZN					
IR8P	*	256,768	1486	28	100	LY2CO	*	21,098	253	12	65	SN1X	21	373,998	1061	37	129	*SP2ZEN	21	126,991	378	36	115	*IS0VSG	A	178,295	400	57	154		
I28DPL	*	232,375	1045	30	95	LY3BU	*	5,478	72	15	51	SN7Q	*	202,120	94	31	93	*SP9DJD	*	6,174	107	11	31	*IS0GV	*	93,097	382	45	131		
IK4WKU	*	179,443	894	31	90	LY1XM	*	3,420	73	16	44	SO5O	*	161,417	881	29	98	*SP9QJO	*	6,174	107	11	31	*IS0HOJ	*	65,440	302	48	112		
I13B	*	115,232	666	27	77	LY2GF	28	19,108	213	20	48	SP6AEG	*	252	7	6	6	*SP4QL	*	112,791	375	33	90	SCOTLAND		2,018,292	2459	99	375		
IR4B	*	95,760	372	29	91	LY1CX	3,7	86,480	730	17	75	SP8IMG	14	637,632	2082	37	125	*SP9PDLY	*	36,100	209	23	72	GM0F	A	2,018,292	2459	99	375		
IO3Z	7	196,995	1344	23	92	LY1CY	*	24,496	624	15	57	SO5O	*	2,040	36	11	23	*SP5STAT	*	26,544	167	20	59	GM0DBW	*	70,272	409	31	91		
IR4M	3,7	304,673	1787	26	101	LY1D	A	1,795,560	2146	116	404	SO6X	7	467,866	2004	35	126	*SP2MHC	*	3,808	48	13	21	GM7MV	3,7	243,540	1994	20	88		
I1EIS	*	64,710	647	14	76	LY3CY	*	203,852	627	45	181	SP3LPG	*	127,400	799	30	100	*SP9F6XP	*	15,900	86	36	64	*MM0DHQ	A	50,816	270	33	95		
I2COZ	*	616	25	5	17	LY2HM	*	202,540	609	59	201	SP2QOG	*	47,045	413	18	79	*SP9PMXZ	*	12,031	120	16	37	MM0GQR	*	36,288	159	38	74		
I26ERS	1,8	11,070	345	7	47	LY2MM	*	155,472	436	48	189	SP3QBD	*	8,710	97	14	53	*SP9H2ZM	*	10,672	87	17	41	MM0EDZ	*	14,691	140	20	63		
I2KDZN	A	76,008	1091	83	269	LY200	*	117,667	467	44	165	SN3A	3,7	386,400	1702	32	118	*SP9PEW0	*	10,921	512	27	101	MM0K5JX	*	100	121	21	49		
I2ZFO5	*	46,122	972	75	236	LY3UV	*	31,641	240	39	120	SP2ZAS	*	1,404	84	14	34	*SP9AOAR	*	5,070	60	18	21	MM0I0F	*	100	121	21	49		
I2K60N	*	280,896	663	76	228	LY3BVW	*	30,960	137	31	55	SP2ZPAS	*	2,040	36	11	23	*SP9PSTAT	*	4,329	42	14	25	MM0DQGR	1.8	169	15	2	11		
I2K0BX	*	265,920	477	72	248	LY1BX	*	19,184	188	24	85	SP3CY	*	17,982	199	13	61	*SP9C2W	*	3,727	25	15	21	SICILY		2,018,292	2459	99	375		
I23ENH	*	230,490	699	49	219	LY2BGB	*	11,259	104	26	55	SP3CYQ	*	16,910	978	12	62	*SP9S2W	*	10,216	228	16	55	IT9UFP	A	1,750	36	12	23		
I2K2DM	*	212,779	601	55	214	LY2AT	*	9,450	93	25	65	SP6HEQ	1,8	69,190	978	12	62	*SP9S1W	*	10,216	512	27	101	IT9GECE	*	1,496	39	11	23		
I2W7EC	*	143,406	295	70	209	LY2IC	21	167,134	559	34	108	SP2ZL	*	12,474	716	61	55	*SP9PDR	*	10,921	512	27	101	IT9GECE	*	1,496	39	11	23		
I2ZGBH	*	142,080	431	57	165	LY3QT	*	14,732	136	15	43	SP2ZPAS	*	1,404	239	6	41	*SP9PDR	*	10,921	512	27	101	IT9GECE	*	1,496	39	11	23		
I2W7EB	*	112,210	319	67	162	LY6A	14	341,400	1259	34	116	SP2ZPAS	*	1,404	239	6	41	*SP9PDR	*	10,921	512	27	101	IT9GECE	*	1,496	39	11	23		
I2ZABBN	*	78,870	219	59	106	LUXEMBOURG					SP4LXC	*	127,400	799	30	100	*SP9PDR	*	10,921	512	27	101	IT9GECE	*	1,496	39	11	23			
I2K7RVY	*	77,112	334	41	112	LY2LFL	*	2,730	83	9	26	SP2ZSS	*	1,404	239	6	41	*SP9PDR	*	10,921	512	27	101	IT9GECE	*	1,496	39	11	23		
I2K2WQO	*	70,047	235	47	134	LY1DT	3,7	54,273	658	16	63	SP4LXC	*	12,474	716	61	55	*SP9PDR	*	10,921	512	27	101	IT9GECE	*	1,496	39	11	23		
I2ZGNO	*	67,374	245	56	141	LY2HK	*	30,184	588	9	47	SP1MVG	*	21,240	669	53	202	*SP9PDR	*	10,921	512	27	101	IT9GECE	*	1,496	39	11	23		
I2V3MGN	*	35,258	156	36	86	*LY1JH	A	199,348	589	62	182	SP6TRX	*	151,420	434	32	14	*SP9KZM	*	10,921	512	27	101	IT9GECE	*	1,496	39	11	23		
I2ZBKA	*	35,258	156	36	86	*LY1SF	A	6,615	117	18	31	SP2ZPAS	*	1,404	239	6	41	*SP9PDR	*	10,921	512	27	101	IT9GECE	*	1,496	39	11	23		
I2K2WZD	*	34,202	153	27	81	MACEDONIA					SP4IEQ	*	12,506	348	57	152	*SP9TKE	3,7	18,126	299	9	48	SLOVAK REPUBLIC		5,136,192	387	139	453			
I2ZGMM	*	14,620	143	16	70	PA0JUM	A	1,636,110	2750	84	287	SP4FJ	*	20,957	524	55	172	*SP9PDR	*	10,921	512	27	101	IT9GECE	*	1,496	39	11	23		
I2W4ENR	*	13,774	131	28	69	PA0JNH	*	205,972	596	56	165	SP2ZPAS	*	1,404	239	6	41	*SP9PDR	*	10,921	512	27	101	IT9GECE	*	1,496	39	11	23		
I2ZGTT	*	19,440	153	27	81	PA0SKL	*	126,027	298	54	155	SP7TEX	*	10,921	512	27	101	*SP9PDR	*	10,921	512	27	101	IT9GECE	*	1,496	39	11	23		
I2ZGTT	3,7	187,380	1447	24	84	PA0SKL	*	11,700	160	12	48	SP9FMI	*	10,921	512	27	101	*SP9PDR	*	10,921	512	27	101	IT9GECE	*	1,496	39	11	23		
I2ZGTT	14	51,069	361	21	66	PA0SKL	*	148,492	469	47	145	SP2ZPAS	*	1,404	239	6	41	*SP9PDR	*	10,921	512	27	101	IT9GECE	*	1,496	39	11	23		
I2ZGTT	14	51,069	361	21	66	PA0SKL	*	85,896	91	19	46	SP2ZPAS	*	1,404	239	6	41	*SP9PDR	*	10,921	512	27	101	IT9GECE	*	1,496	39	11	23		
I2ZGTT	14	51,069	361	21	66	PA0SKL	*</																								

EA3EYD	14	96,774	482	30	97	EA4DBS	*	3,840	63	12	36	USSESP	*	61,380	407	22	88	*YB0ZZ	*	777	14	8	13	PY3AJB	*	9,756	68	25	38														
EA1COE	"	78,480	529	26	83	EA3FHP	*	2,819	76	8	28	*UT0UT	*	22,253	175	19	58	*YB2TO	7	8,250	66	19	36	PP5ZP	*	5,487	42	26	33														
EA1ASG	"	74,703	360	27	84	EA3K7	7	16,272	211	14	58	*UT4NY	*	11,229	144	13	44	*YC3MML	*	6,512	55	14	30	*YB2SRL	*	4,959	59	21	36														
EA4KD	3.7	86,616	562	20	88	EA3ATM	*	8,664	101	14	43	*UT3AW	*	11,088	103	18	45	*YC9WVJ	*	4,551	47	16	25	*YB2ZO	*	1,713	50	12	20														
EA5AT	1.8	15,980	292	12	56	EA5AFY	*	3,956	60	9	34	*UR7OM	*	8,109	97	14	39	*YC0LOW	3.7	156	10	5	8	*T8CWA	*	1,064	41	16	22														
*EA1WS	A	666,498	1196	67	227	EA4ENF	3.7	5,734	103	8	24	*UR5KAT	*	4,176	81	12	36	*YB2CX	28	147,157	600	27	74	*YB2DY	*	145,950	593	25	80														
*EA7TN	"	597,498	1002	77	286	EA5CGU	*	853	23	6	8	*UJ4JKY	3.7	46,480	584	14	66	*YB2SBY	*	139,770	609	23	67	*YB2MTV	*	57,525	415	21	44														
*EA3KN	"	491,535	743	77	254	EC5ACZ	*	312	32	5	21	*UW8SM	*	34,932	490	12	59	*FK8HN	A	328,662	673	70	116	*Y4ZE	*	46,866	296	22	51														
*EA3OR	"	482,589	744	85	302	EA3FP	1.8	2,652	85	6	33	*UV5EO	1.8	1,643	56	5	26	*YB2HL	*	43,601	314	16	43	*YB2MF	*	310,648	536	80	152														
*EA4NP	"	377,140	547	83	263	SWEDEN																																					
*EA7IA	"	302,761	587	68	209	SM5CEU	A	1,219,602	1423	110	364	GW4BLE	A	6,118,605	4808	119	430	ZL2AL	A	505,519	753	88	169	*YB2OB	*	7,777	14	8	13	*YB2TO	*	5,487	42	26	33								
*EA1AJV	"	242,440	672	52	157	SM6FJY	*	284,878	506	66	200	GW3NAS	*	321,732	516	74	257	ZL2MF	*	310,648	536	80	152	*YB2AT	*	4,959	59	21	36														
*EA1JO	"	238,080	531	57	183	SM6FJY	*	118,084	398	51	161	GW3NJW	*	27,216	245	24	39	ZL1ALZ	*	186,864	510	45	91	*YB2DU	*	28,608	188	19	45														
*EA3NA	"	219,180	482	68	192	755C	*	1,248	34	8	18	GW8IZR	*	16,468	129	18	74	ZL2UO	*	69,713	171	57	104	*YB2RM	*	7,400	110	13	27														
*EA1GAR	"	217,512	589	56	172	SM6P	7	333,165	1663	38	103	GW3JXN	A	203,962	457	61	193	ZL2CC	14	46,410	181	27	64	*YB2SF	*	7,084	127	15	29														
*EA1BXO	"	212,471	502	64	175	SM7BIW	*	85,671	289	50	117	GW3JXN	*	25,480	81	12	36	ZL4WP	A	195,720	362	79	131	*YB2BT	*	2,142	71	9	12														
*EA1US	"	206,346	484	62	176	SM3B	*	52,110	202	50	85	GW9YDX	*	59,901	262	37	86	ZL1KMN	*	25,452	112	37	64	*YB2VZ	*	2,128	72	10	18														
*EA1AST	"	199,091	526	63	200	SM0EPO	*	32,334	207	32	70	GW1MDH	*	26,200	159	25	75	ZL1BYZ	*	25,428	133	34	44	*YB2TA	*	1,248	36	9	15														
*EA7AA	"	198,912	500	64	192	850W	*	22,755	102	37	74	GW9IDX	*	9,936	73	24	48	ZL3DW	*	1,908	24	17	19	*YB2RDZ	*	100	16	6	8														
*EA3AKA	"	198,238	591	55	174	SM3R	*	552	19	8	16	GW3YVC	*	1,739	44	20	27	ZL2DZ	14	28,208	128	26	56	*YB2XAT	21	313,728	957	32	97														
*EA7OT	"	182,835	452	65	190	(OP: SM3CBR)																																					
*EA5QOM	"	179,256	484	65	166	SM5QO	14	27,370	274	17	53	YU1LA	28	12,095	149	14	45	WALES																									
*EA1CS	"	165,870	534	49	141	SM0GYX	*	24,653	226	20	69	YT5G	21	659,987	1914	38	125	NEW CALEDONIA																									
*EA3AGB	"	155,877	422	56	167	SM3LIV	*	1,856	52	7	22	YT7Z	*	491,346	1704	38	124	NEW ZEALAND																									
*EA7EWX	"	147,060	381	56	159	SM3FJY	*	1,248	34	8	18	YU2A	*	8,772	100	14	37	WALES																									
*EA4DAT	"	146,050	572	54	176	SM6P	7	333,165	1663	38	103	(OP: SM6P)																															
*EA2T0	"	141,290	427	52	147	SM0W	*	16,294	33	11	21	YT9A	14	744,800	2351	39	136	WALES																									
*EA1ET	"	126,945	488	44	173	SM0W	*	16,294	33	11	21	YT9B	14	744,800	2351	39	136	(OP: SM0WKA)																									
*EA2BV	"	107,088	382	48	136	SM6IO	*	5,418	104	10	33	YT9C	*	1,201,508	1955	108	250	(OP: SM0WKA)																									
*EA5EOR	"	106,944	306	54	138	SM6W	*	16,294	33	11	21	YT9D	*	1,201,508	1955	108	250	(OP: SM0WKA)																									
*EA7CWA	"	105,868	308	55	144	SM6DOI	1.8	408,343	762	78	233	YT9E	*	1,201,508	1955	108	250	(OP: SM0WKA)																									
*EA1GZG	"	98,740	400	54	150	SM6D	*	16,294	33	11	21	YT9F	*	1,201,508	1955	108	250	(OP: SM0WKA)																									
*EA7GP	"	98,740	400	54	150	SM6D	*	16,294	33	11	21	YT9G	*	1,201,508	1955	108	250	(OP: SM0WKA)																									
*EA4CE	"	98,740	400	54	150	SM6D	*	16,294	33	11	21	YT9H	*	1,201,508	1955	108	250	(OP: SM0WKA)																									
*EA1XWQ	"	98,740	400	54	150	SM6D	*	16,294	33	11	21	YT9I	*	1,201,508	1955	108	250	(OP: SM0WKA)																									
*EA1JMT	"	98,740	400	54	150	SM6D	*	16,294	33	11	21	YT9J	*	1,201,508	1955	108	250	(OP: SM0WKA)																									
*EA1AU	"	98,740	400	54	150	SM6D	*	16,294	33	11	21	YT9K	*	1,201,508	1955	108	250	(OP: SM0WKA)																									
*EA1EJW	"	98,740	400																																								

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North America		Europe & Middle East								Asia & Oceania																			
Region	Sub-Region	North America				Europe & Middle East				Middle East & Africa				Africa & Sub-Saharan Africa				Asia Pacific				Oceania & Australia				Other Regions			
CT1ELF	"	72,240	257	40	128	SP5XSL	"	7,290	168	8	46	W3BG	"	703,640	739	84	275	N8TR	A	1,970,929	1213	135	472	EY8CQ	21	95,337	446	28	79
EA2RW	"	71,991	230	52	119	DL9SXX	"	5,916	83	10	48	W3CK	"	600,724	650	81	277	N8BQJ	"	1,368,450	1118	111	339	THAILAND	"				
I2IANK	"	66,886	538	57	172	WB7OCV/2	"	2,278	28	10	24	K3BZ	"	593,640	613	88	22	N8BQJ	"	790,748	696	99	335	HS1PDY	A	58,896	209	52	92
EA2CAR	"	62,186	224	34	84	PY2VAI	"	800	27	10	15	N3PV	"	538,356	601	82	266	AJ1M/8	"	610,032	664	81	277		"				
EA8IK	"	61,620	178	35	95	SP5DDJ	"	575	27	4	21	W2UP/3	"	503,649	597	81	240	WB1JY	"	565,480	641	80	255		"				
Y05OHY	"	61,202	289	40	102	OK1JKO	"	399	15	5	14	N3VC	"	495,194	571	76	250	K3WA/8	"	395,136	484	83	253		"				
RV6LA	"	53,856	229	41	103	JK1TCV	"	6	1	1	1	W3UO	"	470,092	547	72	252	N8TDL	"	360,112	495	71	213	UNITED ARAB EMIRATES	"				
YB5AQB	"	53,793	187	58	81	LZ5T	3.7	24,090	324	10	63	K1RH/3	"	469,270	520	76	258	WTJW/8	"	116,963	252	58	159	A61AR	7	337,485	1076	32	119
K3GM/1	"	50,700	144	43	107	(OP: DL2JRM)	"	1,080	19	10	47	OP(L-Z3RR)	"	408,870	470	75	240	K8GT	"	97,734	215	60	122	(OP: RV6LNA)	"				
RV3YR	"	50,283	203	35	76	ES1CW	"	17,360	265	11	51	W4Z/E3	"	394,095	510	69	224	WTGN	"	68,250	149	53	122		"				
OK1E5	"	42,470	221	31	124	DH8BQA	"	14,579	257	9	52	W4RHNW	"	346,060	498	60	200	K6WVE/8	"	36,252	127	27	79		"				
J2A2MWV	"	42,000	182	42	70	EA2CKX	"	9,163	152	7	42	N3AM	"	315,500	474	54	196	KDB8Z	"	30,765	126	28	77	EUROPE	"				
UX92A	"	37,118	223	30	104	SM3CCT	"	3,078	97	6	32	N3GNW	"	235,560	375	62	198	N4RZ/V8	"	14,688	75	17	55	AUSTRIA	"				
DL2EF	"	34,047	249	28	69	(OP: SM5CCT)	"	3,244	87	4	34	K3WC	14	203,056	501	31	117	WB0WA/0	"	4,902	46	19	39	OE2S	A	1,342,705	1600	105	350
DL0MFL	"	28,302	197	27	79	UN7CN	"	602	24	5	9	W4W3	"	134,792	293	52	151	WB0WA/0	"	2,160	33	14	26	OE50V	28	78,100	496	27	83
RV3VI	"	27,450	191	31	91	JF1LFX	"	468	18	9	9	W4E/E3	"	133,985	265	51	160	WB0WA/0	"					(OP: KG6UJ)	"				
JL7XBN	"	27,200	134	37	54	JAX9WB	"	288	28	3	13	K3ATO	"	131,868	271	71	151	WB0WA/0	"					(OP: GE6VHF)	"				
VA3DF	"	23,030	96	24	70	KP4KE	1.8	37,345	364	13	42	NE3H	"	37,674	114	41	97	K9UON	A	523,143	598	77	256	BELARUS	3.7	106,040	1102	15	73
Y04AAC	"	23,699	290	26	105	S5MSMU	"	15,147	301	6	45	K13G	"	30,840	214	34	86	WB0WA/0	"	501,149	575	80	239	ON6LR	A	101,928	258	64	122
N8XA	"	21,137	94	49	64	SP4HJE	"	7,599	167	7	44	WR3L	21	128,655	365	28	107	WGIC	"	37,409	142	32	79	ON4WW	1.8	141,120	1192	17	81
VE3MSA	"	19,067	97	22	63	SP4M	"	3,244	87	4	34	K3WC	14	203,056	501	31	117	WB0WA/0	"	100,454	234	53	121	9A2U	28	21,572	167	19	57
N3HJU	"	17,679	141	28	67	EW2AA	"	3,168	86	5	31	K5KG/4	A	2,553,904	1830	123	419	K9C9CI	"	55,347	171	44	99	9A5ZP	A	65,312	282	52	156
PE2KP	"	17,195	141	28	67	US6IOE	"	3,283	105	6	31	W4WTB	"	2,066,128	1564	116	375	K9D9AC	"	41,674	139	22	56	9A2U	28	22,572	167	19	57
UA3LMR	"	15,092	137	24	74	DM7C	"	2,268	72	3	33	W4WP4TR	"	1,581,510	1414	108	335	K9BK9EG	"	33,887	136	31	72	9A2U	28	21,572	167	19	57
EA4CU	"	14,705	89	28	57	(OP: DL7CX)	"	1,254	404	6	13	N4HW	"	151,156	1005	135	452	N9C9	"	22,351	98	66	113	9A2U	28	21,572	167	19	57
007CC	"	14,440	159	22	23	K3BU	"	90	7	26	48	N7IR	"	1,179,789	881	124	413	WTU9	"	21,136	111	22	56	9A2U	28	21,572	167	19	57
GM4HOF	"	12,760	110	18	40	RK9QWZ	"	42	5	4	3	K1GU/4	"	1,038,700	913	105	320	K9DSH	"	10,152	62	26	46	9A5E	14	770,526	2409	37	134
US5IND	"	12,940	128	111	134	(OP: RW9QA)	"	1,038	20	9	40	K4HG	"	1,034,484	856	108	355	K9M9H	"	7,475	57	23	42	9A3AG	3.7	92,400	984	71	71
UA9BS	"	10,864	72	16	40	(OP: EA4WWL)	"	1,038	20	9	40	K4HR	"	828,165	786	98	305	W9YND	3.7	25,092	135	20	62	CZECH REPUBLIC	"				
OK1SI	"	9,316	80	22	46	(OP: EA4WWL)	"	1,038	20	9	40	K4HY/4	"	84,711	530	111	324	WB0WA/0	"	818,296	713	105	334	OK2ZC	28	3,230	47	11	77
EA5GX	"	8,882	84	21	45	(OP: EA4WWL)	"	1,038	20	9	40	K4NLR	"	586,187	633	15	268	NOAT	A	813,105	334	90	330	OK1UU	"	209,670	601	55	186
SM5XSH	"	7,904	94	18	58	(OP: EA4WWL)	"	1,038	20	9	40	K4NMR	"	499,041	612	78	225	K9K7	"	375,081	460	92	245	OK2ZJ	28	3,230	47	11	77
USA0Y	"	6,728	50	20	38	K1AR	A	3,469,180	2247	133	439	K3KO/4	"	454,194	490	78	273	K9OO	"	311,740	480	72	188	OK1DVW	21	258,116	987	38	126
LA5WNA	"	6,384	112	14	43	N1DG	A	2,569,252	1489	123	491	K4YKZ	"	375,518	517	68	218	K9OB	"	268,136	411	55	187	OK2EO	28	21,572	167	19	57
K1TK	"	5,936	51	21	32	N1NW	"	1,720,632	1310	108	46	K4WV	"	335,546	475	65	213	K9DCS	"	146,232	278	64	152	OK2EAD	28	21,572	167	19	57
ES8SW	"	5,456	106	12	50	N8RA/1	"	1,647,054	1222	103	383	W4WP4TR	"	313,584	428	75	207	W9WMN	"	131,937	293	53	146	OK2ZJ	28	21,572	167	19	57
WA4DEC	"	5,408	47	19	33	K1BX	"	1,559,313	1206	99	36	K1P7/4	"	298,144	367	77	231	K9KX	"	100,655	183	70	135	OK2ZJ	28	21,572	167	19	57
VA3RKM	"	4,961	110	9	24	K1B1JFG	"	1,409,484	1177	99	339	N4VA	"	326,459	517	71	218	K9CDEB	"	83,080	207	46	109	OK2ZJ	28	21,572	167	19	57
AE7UJ	"	4,797	94	12	37	A1A0D	"	1,464,494	1015	80	305	K4WV	"	285,956	498	69	199	K4U4O	"	73,440	195	47	113	DENMARK	14	169,912	694	29	105
JR3RWB	"	4,792	79	17	27	K1KW	"	1,193,380	1002	115	303	K4CZ	"	52,052	145	51	103	WB1JFM	"	49,202	152	40	130	ESTONIA	7	1,40,302	1379	114	444
I5KAP	"	4,836	68	12	27	N1HTS	"	1,159,672	147	122	42	K4ZB	"	125,130	250	52	142	WB1JFM	"	84,185	331	35	114	ESTSMG	21	84,185	331	35	114
SP1RFC	"	3,927	69	9	24	K1BG	"	1,182,532	148	100	301	K4NLR	"	36,295	147	36	83	WB1JFM	"	84,870	224	30	115	ESTWR	14	84,670	234	30	115
SP5PCY	"	3,967	66	10	30	N1FA	"	46,004	142	38	86	W4WP4P	"	92,235	278	28	101	WB1JFM	"	84,185	331	35	114	ESTWR	14	84,670	234	30	115
Y09BCX	"	3,276	62	12	27	N1ZF	"	39,390	116	35	95	WB1JFM	"	30,225	145	36	83	WB1JFM	"	84,185	331	35	114	ESTWR	14	84,670	234	30	115
UR5ZQW	"	660	29	6	16	N1CE	"	36,842	128	38	79	WB1JFM	"	27,500	145	36	83	WB1JFM	"	84,185	331	35	114	ESTWR	14	84,670	234	30	115
WB0IWG/3	"	420	15	5	10	WA1ZYX	"	30,525	136	12	63	WB1JFM	"	11,644	275	27	95	WB1JFM	"	84,185	331	35	114	ESTWR	14	84,670	234	30	115
OE50WWL	"	72	13	4	15																								

DF2RG	"	181,944	356	63	165	SPAIN	K3EST/4	3,431,878	2582	129	418	THAILAND	73,917	287	52	139			
DR5X	"	95,266	332	48	170	E47RU	A	2,239,182	2035	106	420	HS0AR	780,160	1119	106	262			
	(OP: DLBLAS)					E4A3AKY	"	1,052,410	1489	87	293	K4JN	3,070,730	2054	134	464			
DK2ZZ	"	30,250	124	39	82	E4A2YD	"	971,348	1009	99	353	W4WS	2,394,000	1776	132	428			
DL8WX	"	29,748	112	45	66	E4A3OA	"	812,988	1538	85	311	W3GQ/4	1,690,080	1268	113	390			
DK6RS	"	29,155	142	38	81	E4A5YJ	"	690,040	1251	72	287	K4RY	673,104	734	85	294			
DL1DBR	"	24,192	163	29	79	E4UJU	"	352,534	611	75	263		28,288	134	33	71			
DK4VY	"	11,703	99	27	56	E4A5FD	"	340,275	491	82	243	K5TR	3,193,918	2234	147	490			
DG7TRO	"	7,684	46	28	40	E4A3KU	"	181,792	509	50	123	K5VA	1,500,920	1263	113	365			
DL2DYL	"	6,741	62	23	40	E4A4EC	"	55,815	169	59	124	K5FD	1,387,992	1230	114	339			
DL1LH	28	18,620	158	17	53	E4B3HK	"	5,508	51	22	33	W5GM	468,270	602	84	246			
DO4Q	21	702,720	1720	38	145	E4A1BFZ	28	34,880	290	20	60	W5LCC	115,818	299	64	135			
D05A	"	135,783	431	34	107	E4A1ACP	21	227,910	696	34	108	AE6DX	645,456	1115	86	186			
(OP: DF9ZP)						E4C3AU	"	44,688	426	21	63	N6KI	294,764	596	80	156			
DK1MX	14	338,400	884	37	143	E41DAX	14	9,295	93	14	41	W6NL	186,468	445	62	102			
DL2DBH	"	329,508	1106	35	127	E47VG	7	178,080	1029	23	89	AE6VV	2,886	37	17	22			
DA01	"	210,144	869	33	99	(OP: EA7JB)						ON4OSA	162,877	469	45	142			
DJ2RG	"	7,560	194	21	51	SWEDEN	SWEDEN	WA7LT	1,136,520	1193	114	296	OT5L	5,175,184	3754	140	516		
DJ8QP	7	43,512	241	21	90	SM6WET	A	5,382	57	23	46	N7T	3,892,674	1037	104	262			
						SM00GQ	28	546	25	6	12	K6KR/7	739,532	942	90	203			
SG1DPI	A	1,380,197	1724	113	410	8S0F	21	15,067	111	15	46	N7XX	532,104	679	87	199			
HUNGARY						SM4F	14	66,599	380	23	86	WX7P	22,254	547	52	105			
HG3M	A	2,868,222	3106	137	521	(OP: HA3MY)		SM4F	14	66,599	380	23	86	WF7I	35,640	197	42	68	
HA0HW	"	177,840	574	55	173	(OP: HA3MY)		SM4F	14	66,599	380	23	86	W6JA/7	9,211	73	24	37	
HA1ZN	14	138,621	833	28	95	(OP: HA5BSW)		SM4F	14	20,110	262	14	51	K0SV	32,856	121	40	71	
ICELAND						SWITZERLAND	SWITZERLAND	K8AZ	4,170,038	2449	148	526	CRETE	7,982,590	4911	166	604		
TF/N0HZJ	A	1,938,762	3454	73	249	HB9FBS	3.7	40,320	566	10	60	W8VM	166,413	309	61	160			
ITALY						UKRAINE	UW8M	A	3,310,560	3702	138	489	OK5W	6,973,560	4411	168	624		
IU1B	A	1,319,200	1577	113	372	UV8M	14	440,100	1920	37	126	KD9ST	1,391,205	1117	122	367			
IK2EGL	"	1,120,210	1206	104	351	EM2U	3.7	120,666	1080	20	82	WB9AYW	41,022	165	39	90			
IK2TDM	"	439,095	686	84	281	WA7LT		K0RF	3,255,548	2234	148	474	KO1QE	6,491,051	3809	155	564		
IK0YUT	"	14,162	105	23	50	MW5HOC	7	24,455	307	11	56	NONI	2,419,984	1916	129	445			
IR8M	28	29,403	278	19	62	(OP: IZ8CWV)		NO5TL	998,452	983	107	315	K0UE	305,545	464	78	187		
IO1LYO	21	97,409	414	30	97	(OP: YU1EA)		K0RAY	67,348	187	42	107	OL2U	213,776	637	56	192		
IU3A	14	745,590	2118	36	138	(OP: YU1EA)		OL5DX	41,020	242	31	109	Q0KSV	89,446	371	40	146		
IR3Z	"	145,928	572	34	114	(OP: IN3XUG)		YUGOSLAVIA	YU9VK	A	186,318	510	55	143	PORTUGAL	5,131,876	2986	126	457
I2Z1DGG	"	51,779	410	20	71	YU1EA	14	94,501	700	24	97	VA3SK	4,258,518	3288	126	445			
I3G	"	51,040	275	25	85	(OP: YU1EA)		VA6RP	3,094,416	3089	123	341	W6GW	5,264,742	3862	143	578		
IC8C	3.7	54,913	571	16	73	(OP: IC8JAH)		VA7ZM	1,771,266	2974	117	302	G6PZ	5,264,742	3862	143	578		
LATVIA						VK1AA	14	535,248	1213	37	131	VA2ZM	1,216,510	1560	66	244			
YL7A	A	2,644,289	2447	140	507	VK6DU	7	14,805	128	24	39	VA2ZM	1,216,510	1560	66	244			
YL7X	7	92,220	791	19	87	(OP: YL2LY)		YU7MAR	600,300	1615	35	103	VA3MAH	244,188	445	60	178		
LITHUANIA						KG6DX	21	558,159	1400	38	109	VA7NA	28,440	378	55	114			
LY3BH	A	104,043	268	64	173	HAWAII	YU9VK	A	186,318	510	55	143	VA7NA	166,413	309	61	160		
LY80	21	342,468	1088	36	126	AH6MF	21	311,100	1285	29	56	VA7NA	166,413	309	61	160			
LY7M	1.8	30,520	418	11	59	(OP: LY2BW)		AH6RF	7	91,104	343	32	64	VA7NA	166,413	309	61	160	
LUXEMBOURG						YB0/H2AVR	21	5,400	42	18	32	YU7MAR	7,266,795	4893	143	574			
LX7I	A	4,296,919	3127	141	536	NEW ZEALAND	9M6DX	A	600,300	1615	35	103	ST. KITTS & NEVIS	317,034	1300	53	109		
LX/ON4ACA	"	301,716	1088	62	227	ZL1ANH	A	206,850	440	71	126	V47NS	1,227,424	1461	81	271			
Macedonia						ZL3TE	21	188,832	706	31	65	FS/A4AV	1,314,378	2964	78	156			
Z33F	14	404,000	2013	34	126	SOUTH AMERICA	LR1F	A	1,224,219	1746	78	191	TA18M	5,174,764	3915	135	538		
NETHERLANDS						ARGENTINA	LR1F	A	1,224,219	1746	78	191	DOMINICA	5,123,524	3740	126	445		
PA0ABM	A	684,020	862	100	360	(OP: LU5FD)		LR1F	A	274,365	1022	26	91	PUERTO RICO	6,335,254	5734	112	367	
PA4A	"	437,346	831	81	270	(OP: LU3HS)		LR1F	A	274,365	1022	26	91	ST. KITTS & NEVIS	317,034	1300	53	109	
PG3N	"	204,104	695	51	197	(OP: LU3HS)		LR1F	A	274,365	1022	26	91	TA18M	5,123,524	3740	126	445	
PA3C	"	109,032	243	67	197	(OP: LU3HS)		LR1F	A	274,365	1022	26	91	TA18M	5,123,524	3740	126	445	
PE1FTV	"	24,864	179	29	82	ZX2B	A	4,943,323	3677	114	359	RAK9CWW	5,421,528	3102	134	517			
PA3EWP	7	320,800	1241	34	126	PRT7AB	"	803,640	1477	64	158	RAK9CWW	2,658,904	2541	95	329			
PC2T	"	66,750	735	14	75	PY1EV	"	28	6,000	78	16	30	RAK9CWW	2,658,904	2541	95	329		
PA2R	"	53,508	444	18	80	PY2KC	"	5,365	93	13	24	RAK9CWW	2,658,904	2541	95	329			
PA3GCV	1.8	118,624	1200	17	71	PP5FMM	"	136,818	550	25	74	RAK9CWW	2,658,904	2541	95	329			
PA5A	"	23,249	363	10	57	PY1K	21	750,126	1642	72	126	RAK9CWW	2,658,904	2541	95	329			
GI0VTS	A	21,489	124	27	60	PX8C	7	344,890	977	20	91	RAK9CWW	2,658,904	2541	95	329			
POLEN						YB1NB	"	31,562	150	21	65	RAK9CWW	2,658,904	2541	95	329			
SN7V	A	2,749,626	2338	137	457	(OP: SP7VC7)		YB1NB	"	31,562	150	21	65	RAK9CWW	2,658,904	2541	95	329	
SO91DE	"	601,312	1176	74	270	(OP: SP7VC7)		YB1NB	"	31,562	150	21	65	RAK9CWW	2,658,904	2541	95	329	
SP8TJJU	"	427,548	857	13	243	(OP: SP5JPTF)		YB1NB	"	31,562	150	21	65	RAK9CWW	2,658,904	2541	95	329	
SP5KEH	"	399,398	951	68	221	(OP: SP5JPTF)		YB1NB	"	31,562	150	21	65	RAK9CWW	2,658,904	2541	95	329	
SO8FEW	"	244,065	657	60	205	(OP: SP9P9)		YB1NB	"	31,562	150	21	65	RAK9CWW	2,658,904	2541	95	329	
SP3HRN	"	130,417	444	65	152	(OP: SP9P9)		YB1NB	"	31,562	150	21	65	RAK9CWW	2,658,904	2541	95	329	
SP8QED	"	3,567	35	18	23	(OP: SP9P9)		YB1NB	"	31,562	150	21	65	RAK9CWW	2,658,904	2541	95	329	
SP3GXH	21	165,669	506	36	111	(OP: SP9P9)		YB1NB	"	31,562	150	21	65	RAK9CWW	2,658,904	2541	95	329	
SP8BRQ	3.7	297,704	1558	30	106	(OP: SP9P9)		YB1NB	"	31,562	150	21	65	RAK9CWW	2,658,904	2541	95	329	
SO90	"	102,660	1128	16	71	(OP: SP9P9)		YB1NB	"	31,562	150	21	65	RAK9CWW	2,658,904	2541	95	329	
CT1IUA	A	313,110	658	70	224	W3UA/1		YB1NB	"	31,562	150	21	65	RAK9CWW	2,658,904	2541	95	329	
ROMANIA						K1LZ	2,713,272	2018	115	409	RAK9CWW	2,658,904	2541	95	329				
YR9P	A	3,404,606	3307	135	482	(OP: YO9PHB)		N1MM	"	2,300,082	1627	117	425	RAK9CWW	2,658,904	2541	95	329	
Y02LYN	28	6,109	116	11	30	(OP: YO9PHB)		N1MM	"	1,560,716	1326	110	372	RAK9CWW	2,658,904	2541	95	329	
Y03JW	"	3,978	97	11	28	(OP: YO9PHB)		N1MM	"	1,009,830	947	88	322	RAK9CWW	2,658,904	2541	95	329	
Y03RU	21	44,161	296	22	57	(OP: YO9PHB)		N1MM	"	280,225	422	71	204	RAK9CWW	2,658,904	2541			

L1UFC	582,200	1189	62	138		FINLAND	3,956,154	3888	134	457
L1U1WBM	470,448	994	58	118	OH4A	GERMANY	5,197,632	3979	159	597
LUXBX	309,600	795	54	126	D04W	7,925,148	5501	159	597	
LU4DLU	265,994	575	59	120	DLOCS	3,197,632	3979	159	597	
LU4DQ	246,432	708	51	85	DR5Z	3,786,948	3395	132	525	
BRAZIL					DR5K	2,570,386	2957	112	375	
ZY7C	5,494,326	3857	119	415	DL0KC	2,520,540	2162	120	450	
PW2C	2,242,570	2162	103	304	DP5Z	404,345	846	77	258	
PQ7O	748,995	1070	79	220	DA3A	226,476	626	48	195	
PY2TEL	270,478	1061	27	76						
PY2RDS	221,728	608	55	109						
CHILE					HUNGARY	8,787,519	6484	160	607	
CE6TC	1,255,600	1745	96	196	HG6N	ITALY	13,734,300	7545	177	673
FY5KE	19,055,673	8183	167	652	IR4X	14,784	119	28	68	
NETHERLANDS ANTILLES					IO6TH					
PJ4W	12,645,826	7167	141	485	LY7Z	LITHUANIA	7,592,400	5738	158	545
PARAGUAY						NETHERLANDS	2,807,480	3175	115	405
ZP8VAO	680,586	1297	62	139	P14CC	520,938	1564	68	229	
ZP0R	633,422	1355	64	147	P14FRG	183,533	778	36	121	
SOUTH SHETLAND ISLANDS					P160ZI					
R1ANF	287,310	712	47	110	SQ6Z	POLAND	5,724,675	4750	142	533
MULTI-OPERATOR TWO TRANSMITTER					YP3A	ROMANIA	2,860,480	3422	120	440
NORTH AMERICA					GM2T	SCOTLAND	2,528,326	3454	95	359
UNITED STATES					EA4TD	SPAIN	492,136	1349	59	212
K3NA/1	7,986,663	4134	149	568		SWEDEN	877,725	1415	90	333
K11G	7,395,500	3969	142	558		SWITZERLAND	3,102,130	3957	122	429
K07V/1	4,075,428	2659	131	457						
N3RS	10,158,016	5148	157	595	SK2T	OCEANIA	2,860,480	3422	120	440
WE3C	6,756,390	3653	158	580		AUSTRALIA	297,275	539	79	156
K3DI	1,784,108	1390	118	384	VK6ANC	PARAGUAY	2,700,594	3124	101	250
NE3MD	233,766	391	61	182		URUGUAY	1,611,071	2261	94	249
W4RM	4,026,330	2970	118	421	HB9H	SOUTH AMERICA	12,487,515	7208	152	521
NE4AA	705,692	787	81	250	PS2T	BRAZIL	15,085,936	8723	143	486
A5A5NT	2,219,805	1820	140	427	PJ2T	NETHERLANDS ANTILLES				
K5PTC	1,978,149	1773	126	417		PARAGUAY	2,700,594	3124	101	250
K6KM	1,560,148	1771	115	273		URUGUAY	1,611,071	2261	94	249
W6YX	1,016,400	1041	110	275		MULTI-OPERATOR				
NK7U	3,747,786	3087	140	403		MULTI-TRANSMITTER				
ZK7SD	2,609,336	2210	133	355		NORTH AMERICA				
WC8VOA	90,459	279	58	149		UNITED STATES				
N9AKR	473,088	550	88	248		CANADA	16,283,848	7920	172	640
N9KI	168,454	351	58	151	K3LR	14,482,410	6673	172	662	
W9DEW	26,624	123	33	71	KC1TX	12,884,120	6294	171	670	
K7OR	1,316,412	1371	109	350	K1TTP	9,757,348	5276	150	574	
N0UNL	35,728	129	37	79	NO4I	7,606,080	4668	163	557	
BELIZE					K1RX	6,453,523	3826	153	544	
V31MD	2,750,782	3555	100	282	N3AD	5,901,555	3676	149	535	
COSTA RICA					W3PP	3,541,632	3294	151	537	
T15N	4,767,616	5160	117	359	KB1H	4,807,045	2861	143	512	
AFRICA					W2AX	4,494,784	2753	140	492	
MADEIRA ISLANDS					W4MYA	4,491,628	2847	142	510	
CT9L	18,787,200	8995	154	606	K5NA	4,373,418	3172	153	533	
3V5A	14,896,200	8597	138	522	K3II	3,076,150	1994	131	464	
ASIA					N3CA	2,664,951	1987	138	461	
EK0B	7,574,044	5660	103	424	W0AIH/9	2,523,000	2008	146	454	
UA0AZA	5,464,752	4027	138	491	W8ZA	1,939,000	1690	119	381	
ARMENIA					W2YC	1,325,610	1062	113	402	
CHINA	2,867,431	3670	124	297	N4CW/1	659,190	701	80	285	
B1Z	1,861,828	3100	127	285	K6IDX	428,002	484	100	246	
B7P					WN6K	419,696	618	83	189	
HONG KONG					AB0SD	17,010	145	28	53	
VR2MX	1,720,232	2537	117	287	V26B	ANTIGUA	17,865,770	11238	156	533
DT0HF	108,837	475	43	96	VE5RI	CANADA	1,277,507	1694	101	252
MALDIVES ISLANDS					VE7FO	25,608	136	40	57	
8Q7EA	1,332,090	1629	85	257	J3A	GRENADA	9,470,264	7382	130	438
TAIWAN					6Y2Z	18,564,588	12839	143	501	
BV0J	1,443,204	2433	119	259	WP4BL	PUERTO RICO	122,112	418	46	98
BV50CRA	236,603	917	64	159	VP5T	TURKS & CAICOS ISLANDS	5,499,000	5394	114	354
EUROPE					WP2Z	U.S. VIRGIN ISLANDS	11,035,976	8292	139	460
CROATIA					VO9X	AFRICA	2,732,324	2076	96	286
9A7A	11,800,646	8152	164	642	CT3YA	CHAGOS ISLANDS				
DODECANESE						MADEIRA ISLANDS	28,261,325	11827	178	699
SX5P	3,373,284	4538	120	444		ASIA	7,666,216	4633	157	495
ENGLAND					JA2YBK	JAPAN	7,357,320	4546	157	485
M8C	3,274,475	3881	113	464	JAS5JC	5,247,320	4055	143	377	
G6M	2,768,480	3178	111	409	JA7YRR					
G4UJS	2,143,845	2187	98	397						
EUROPE						EUROPE	13,053,528	9396	168	645
RU1A	10,766,559	7789	173	640	OT5A	BELGIUM				

TOP SCORES IN MOST ACTIVE ZONES

Zone 3	AA1K/3	4,112,913	II4A	1,586,200	
K7RL	2,511,519	W3BGN	3,257,436	*9A2EU	1,572,974
K6NA	1,853,728	VO1AU	2,758,896	SN8F	1,469,232
K5RR/7	1,198,120	NN3W	2,704,683		
W6PH	1,036,940	K3ZO	2,579,927	Zone 16	
W7WA	848,350	N8II	2,520,258	US5D	2,720,374
K6XX	847,540	N2LT	2,377,892	UA3QDX	1,983,276
K4XU/7	798,206	Zone 14		UA3TCJ	1,740,464
K7ZZ	795,544	GW4BLE	6,118,605	*UA4FER	1,643,880
VE7IG	659,921	M6T	4,685,268	UY5ZZ	1,501,948
W7VJ	650,770	EA4KR	3,762,529	*RV3FF	1,379,460
Zone 4	DJ4PT	3,656,405	RU6FA	1,345,894	
VC3O	5,794,200	LB8IB	3,638,669	RN3ZC	1,190,680
W9RE	4,282,720	*CT7T	3,638,544	*RU3QW	1,129,051
WB9Z	3,523,377	OZ7X	3,172,320	EU1PA	864,852
N2IC/5	3,335,815	F5VJK	2,506,218	Zone 25	
VE3KZ	2,309,960	GM0F	2,018,292	JH4UYB	3,454,647
VE3XN	2,043,700	PA0IJM	1,636,110	JR1AIB	1,813,448
VA3DX	1,564,460	Zone 15		JA7NVF	1,502,228
N5AU	1,182,162	ES5TV	6,437,918	JO1WKO	874,152
K9BGL	1,156,021	S50A	5,136,192	JA0JHA	871,815
*N5AW	1,030,680	IR4T	2,511,008	JS3CTQ	617,933
Zone 5	*9A5K	2,497,536	JA1TMG	484,692	
VY2PA	8,602,286	YL6W	1,889,059	J12UNR	473,478
K5ZD/1	5,553,841	*LY9A	1,795,560	JE4VVMM	447,161
K3CR	4,445,930	OH6KN	1,710,648	*JF2QNM	445,410
				*Low Power	

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Disqualified: 9A4X – illegal operation in 19;
OE4A (OE1EMS) – illegal use of packet
spotting in the single operator category



The TI8M Multi-Single team.