

Results of the 2006 CQ WW DX CW Contest

BY BOB COX,* K3EST

Expanded CQ WW Contest Results on the Web

Several elements of our contest reporting are on the CQ website, including Station Operators of Multi-Op stations and expanded QRM. To view these additional and expanded elements of this year's CQ WW results, go to <<http://www.cq-amateur-radio.com/cqwwhome.html>>, then click on "Expanded results, 2006 CQ WW CW" and select the category you want to see. You may also get there by going to our home page at <<http://www.cq-amateur-radio.com>>, clicking on "Contest Rules & Info," then clicking on "CQ World Wide DX Contest" and selecting "Expanded Results, 2006 CQ WW CW."

The 2006 CQ WW DX CW Contest started off normally. Lots of activity from everywhere could be heard. Exotic stations from all over the world were filling the airwaves. The propagation then became interesting. The MUF (maximum usable frequency) dropped very low and the low bands really came alive. Look at the scores for the low bands and you will see many new records were set. This is what makes radio and contesting so much fun. You just never know what the Sun and Earth will provide. This time nature really delivered.

A new CW logs received record was set—at the bottom of the sunspot cycle! It is very remarkable that despite CW not being required now in many countries, a CW entrant in 2006 had trouble finding a clear frequency. The CQ WW attracts amateurs with many different interests: contesting, DX hunting, prefix hunting, club participation, and many more. In all cases, once you jump into the contest, it is very hard to turn off the radio. There really is activity from many more countries in the CQ WW contest than at any other time of the year.

As has been mentioned before, the CQ WW is a fantastic competition which brings out the best in amateur radio: team work, station construction, antenna projects, operating skills, and most of all fun. The CQ WW is a celebration of ham radio skill and effort. New hams and old timers who try the CQ WW often become hooked on the participation. What follows are the results of the 2006 CQ WW CW contest.

High Power

The High Power Single Operator category forces entrants to reach down inside themselves and rise to the occasion. As it turned out, propagation favored the low bands as it rarely has in past contests. To take advantage of this unexpected windfall, each operator had to catch the right "waves." The three operators who finished at the top are all seasoned veterans. After all the log checking was completed, Jose, CT1BOH, had the

world's highest score at CT3NT. Jose seems to have found an ideal location in the Madeira Islands. Operating from eastern zone 33 was Hrane, YT1AD, keying 3V6T into world second place and giving many deserving contestants the 3V multiplier. Third place went to John, W2GD, at P40W. John may well have activated a specific DXpedition location more times than anyone in the history of contesting. In the U.S., Randy, K5ZD, reprised his 2005 victory with a massive win. He sure used his skills to meet the great conditions on the low bands. Second place went to Ken, K4ZW/3, working at N3HBX's QTH. Third place was taken by Alexander, LZ4UU, putting K3CR on the map. The Azores looks like the next best thing to being out of Europe. Toni, OH2UA, again rose to the top of European scores as CU2A. Second place went to Iliya, operating the super station LZ9W, while Dave, G4BUO, took third-place honors. Two participants who deserve special recognition are Chris, A45XR, who broke into the world

top ten and PZ5ZY, operated by Phil, N6ZZ.

The continental winners were: North America: V47NT (N2NT), Africa: CT3NT (CT1BOH), Asia: A45XR, Europe: CU2A (OH2UA), Oceania: VK9AA (VK2IA), South America: P40W (W2GD), Japan: JH4UYB, and U.S.: K5ZD/1.

Low Power

If you have a chance to take your transceiver, a few verticals in a golf bag, and some wire antennas on a trip to an island location, you will be surprised how well you will do and have quite a bit of fun to boot. However, if you want to try to finish near the top of the Low Power Single Operator category, you will have to put in a real effort. Perennial low power winner, Bud, AA3B, keyed V26K to number one world. Paul, K1XM, traveled much farther over to west Africa, where he activated 6V7D to take the number two position. Third place went to Julio, AD4Z, who put HI3A on the air. All three fine operators are to be congratulated.

The situation in the U.S. was about defending last year's finish. Ed, N1UR, seems to have figured out the key to excellence for the low power category. He again took top honors. Not far behind in second place was Ann, WA1S. Ann is always a top CW performer. Third place went to Marvin, N5AW. The top European scorer was Petr, OK2WTM, who placed OL6P in many logs. Second place



The winner of the Multi-Multi DXpedition trophy, 5A7A.

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TROPHY WINNERS AND DONORS

**SINGLE OPERATOR
ALL BAND
World**
CT3NT (Opr: Jose Carlos Cardoso Nunes, CT1BOH)
Donor: K4FW Memorial (Scott Robbins, W4PA)

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

World QRP
P40A (Opr: John Bayne, KK9A)
Donor: Gene Walsh, N2AA

World Assisted
Malcolm Davenport, Jr., K1IG
Donor: Robert McGwier, N4HY

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

USA Low Power
Edward Sawyer, N1UR
Donor: North Coast Contesters

USA QRP
Doug Zwiebel, KR2Q
Donor: CQ magazine

USA - Zone 3
Robert Wolbert, K6XX
Donor: Central Arizona DX Association

USA - Zone 4
Michael Wetzel, W9RE
Donor: The Society of Midwest Contesters

Canada

VO1AAM (Opr: Yuri Onipko, VE3DZ)
Donor: John Sluymer, VE3EJ & Jim Roberts, VE7ZO

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

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

Europe - Low Power
OL6P (Opr: Petr Prokop, OK2WMT)
Donor: Scott Jones, N8OA & Tim Duffy, K3LR

Scandinavia
OH8X (Opr: Pasi Luoma-Aho, OH6UM)
Donor: W3FYS Memorial (Chas Weir, Jr., W6UM)

Russia
Vadim Ovsiannikov, UA9CLB
Donor: Roman Thomas, RZ3AA

Africa
3V6T (Opr: Hrane Milosevic, YT1AD)*
Donor: Gordon Marshall, W6RR

Asia
Chris Dabrowski, A45XR
Donor: Chuck Shinn, W7MAP

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

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

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

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

SINGLE OPERATOR, SINGLE BAND
World - 2 MHz
Juan Manuel Morandi, LU1HF
Donor: Joel Chalmers, KG6DX

World - 21 MHz
ZP0R (Opr: Jorge Diez Furest, CX6VM)
Donor: Lew Sayre, W7EW

World - 14 MHz
5Z1A (Opr: Alex C.J. Van Eijk, PA3DZN)
Donor: W2JT Memorial (North Jersey DX Assn.)

World - 7 MHz
CN2R (Opr: James Sullivan, W7EJ)
Donor: Alex M. Kasevich, VP2MM

World - 3.5 MHz
EA8/OH4NL (Opr: Mauri Leppala, OH4NL)
Donor: Fred Caposella, K6SSS

World - 1.8 MHz
Clive Penna, GM3POI
Donor: Kenneth Byers, Jr., K4TEA

USA - 28 MHz
no winner
Donor: Wireless Institute of the Northeast

USA - 21 MHz
David Donnelly, K2SS/1
Donor: Wayne Carroll, W4MPY

USA - 14 MHz
Patrick Barkey, N9RV
Donor: Northern Illinois DX Association

USA - 7 MHz
Brian J. Edward, N2MF
Donor: W6AM Memorial (Jan Perkins, N6AW)

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

USA - 1.8 MHz
Yuri Blanarovich, K3BU/8
Donor: Jeff Briggs, K1ZM

Canada (3.5 MHz)
Jeffrey Briggs, VY2ZM
Donor: Radio Amateurs of Canada

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

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

Europe - 21 MHz
9A1A (Opr: Zdravko Balen, 9A9A)
Donor: Robert Naumann, W5OV

Europe - 14 MHz
CT8T (Opr: Timo Klimonoff, OH1NOA)
Donor: G3FBX Memorial (Maud Slater)

Europe - 7 MHz
Ivica Matkic, T96Q
Donor: Ivo Pezer, 9A3A

Europe - 3.5 MHz
4O3B (Opr: Martti Laine, OH2BH)
Donor: K3VW Memorial (Frankford Radio Club)

Europe - 1.8 MHz
Arunas Vaglys, LY2LJ*
Donor: Pat Barkey, N9RV & Terry Zivney, N4TZ

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

Japan - 14 MHz
Hiroyuki Inaba, JS3CTQ
Donor: Chris Terkla, N1XN

Asia - 14 MHz
Vakhtang Mumladze, 4L8A
Donor: CQ magazine

MULTI-OPERATOR, SINGLE TRANSMITTER

World

PJ4A (Oprs: K4BAI, K1TO, N4TO)
Donor: Anthony Suse, W3AOH

U.S.A.

K8AZ (Oprs: K8AZ, K8MR, K8NZ, K8PP, N8TR)
W8CAR, W8KIC, WB8K, WT8C)
Donor: Douglas Zwiebel, KR2Q

Canada

VC7G (Oprs: VE7GL, VA7OO, VA7AO,
VA7VZ, VE7HJJ, VE7IJH)
Donor: Eastern Canadian DX Assn.

Carib./C.A.

KP3Z (Oprs: NP4Z, NP3A, WP3C)
Donor: Lone Star DX Association

Africa

3B8/OM0C (Oprs: OM2TW, OM1KW, OM2RA)
Donor: Harry Booklan, RA3AUU

Asia

4X0G (Oprs: W3GG, 4Z4DX, 4Z4KX, 4X6ZK)
Donor: Steve Merchant, K6AW

Europe

OM8A (Oprs: 9A2R, 9A3LG, 9A4M, 9A7R,
OM2VL, OM3BH, OM3GI, OM3LA, OM3NA,
OM3RG, OM3RM, OM7JG)
Donor: Bob Cox, K3EST

Japan

JA7YAA (Oprs: JH0NZN, JE7HLZ, JG7PSJ,
JO7JID, JI5RPT, JJ5DWF)
Donor: CQ magazine

Oceania - Pacific Rim

AH2R (Oprs: JI3ERV/NH2C, JR7OMD/WI3O,
JE8KKX/AHZK)
Donor: Junichi Tanaka, JH4RHF

South America

PJ2T (Oprs: K8ND, W0CG, N1ZZ, W0NB,
G0RTN, NP2L, W8WTS)*
Donor: Araucaria DX Group

MULTI-OPERATOR, TWO-TRANSMITTER
World

EA8EW (Oprs: YL2GD, YL2KL, YL3DW,
LY2CY, EA8ZS)
Donor: Array Solutions

USA

NY4A (Oprs: K2AV, N4CW, N4AF, WJ9B)
Donor: Eric Scace, K3NA

Europe

EA6IB (Oprs: EA3AIR, EA3ALV, EA3ALZ, EA3AVV,
EA5BM, EA5GX, EA6FO, OZ1AA)
Donor: Aki Nagi, JA5DQH

MULTI-OPERATOR, MULTI-TRANSMITTER
World

HC8N (Oprs: K6BL, NSKO, N0JK, W6NL,
N6TR, N5OT, K6AW, AA5B)
Donor: K2GL Memorial (Doug Zwiebel, KR2Q)

USA

K3LR (Oprs: K3LR, K3UA, K8CX, N2NC,
KL9A, N6MJ, N2NL, N6RT,
DL0DXR, N3SD, N3GJ, W2AU, K14MTU)
Donor: N6RJ Memorial (Bob Ferrero, W6RJ)

Europe

DF0HQ (Oprs: DJ2QV, DJ9AO, DL1AUZ, DL1DTL,
DL2OBF, DL3OI, DL3TD, DL4MM, DL5ANT,
DL5AOJ, DL5AXX, DL5MLO, DL7ZZ, DL8WAA)
Donor: Finnish Amateur Radio League

Japan

JA3YBK (Oprs: JG3KIV, JG3MRT, JG3WDN,
JI3OPA, JP3PZD, JH4NMT, JF4FUF)
Donor: Ryozo Goto, JH3JYS

WORLD

MULTI-MULTI SSB/CW COMBINED
K3LR: 33,033,424 Points
Donor: W0ID Alpha Award

USA

MULTI-MULTI SSB/CW COMBINED
K3LR: 33,033,424 Points
Donor: N8SM Memorial (Operators of K3LR)

CONTEST EXPEDITIONS

World Single Operator

6W1RW (Opr: Jacques Saget, F6BEE)
Donor: Friends of Phil Goetz, N6ZZ

WORLD MULTI-OP

5A7A (Oprs: K1LZ, N2OW, PA0R, HB9DTE,
DF6QV, DJ2VO, DJ7EO, DJ7IK, DJ9CB, DK1BT,
DK1II, DK2DO, DK7YY, DK8FD, DL1EJA,
DL5CW, DL9USA)
Donor: Carl Cook, AI6V

SPECIAL - SINGLE OPERATOR AWARD
World SSB/CW Combined

P40W (Opr: John Crovelli, W2GD)
20, 613,468 Points
Donor: Hrane Milosevic, YT1AD

CLUB

World SSB/CW

Yankee Clipper Contest Club
Donor: W1WY Memorial (CQ magazine)

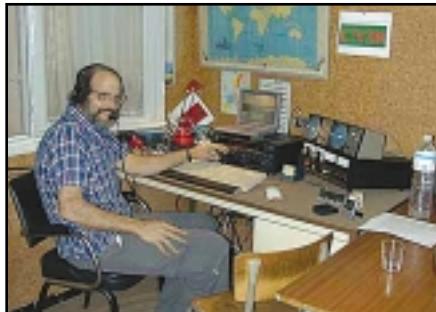
Non-USA SSB/CW

Rhein-Ruhr DX Association
Donor: N6AUV Memorial
(Northern California Contest Club)

* Second Place



Andy, N2NT, keyed V47NT to #4 world All Band High Power.



Jim, W7EJ, pushed CN2R to a new world 7 MHz record.

went to Agustin, EA2AZ. Rounding out the top three was Igor, UA4FER.

Special mention must be made of the DXpeditions of Gerd, DL7VOG, to HK0GU and Petr, as EA9/OL8R. Nikolai, UN3M, broke into the top ten and was number one in Asia.

The continental winners were: North America: V26K (AA3B), Africa: 6V7D (K1XM), Asia: UN3M, Europe: OL6P (OK2WTM), Oceania: KH6/W6PH, South America: PY2NY, Japan: JH8SLS, and U.S.: N1UR.

QRP

You can actually run stations in the QRP category. However, you must choose your location and times carefully. Five watts can be lost in the QRM unless you happen to be

skilled at search and pounce. John, KK9A, operating as P40A made it a 2006 sweep by taking the #1 world position on both SSB and CW. Quite a feat! In the second position world was Didier, FY5FY. Third place world and number one in Europe went to Milan, OK2BYW. Second place in Europe went to another Czech Republic operator, OK7CM. Third place went to Juergen, DF1DX.

In the states, long-time QRP champion, Doug, KR2Q, keyed his K2 to the top of the U.S. standings. Second place went to Bill, N8ET. Bill is always at or near the top of the QRP standings. Third place went to Bill, K4LTA. Special mention should be made of the outstanding efforts of Masayoshi, JR4DAH, and Alex, RA9SO, who finished near the top from Asia.

The continental winners were: North America: KR2Q, Africa: 5H3WA (SM0HPL),

Asia: RA9SO, Europe: OK2BYW, Oceania: YB5AQB, South America: P40A (KK9A), Japan: JR4DAH, and U.S.: KR2Q.

Assisted

Those who use a DX-alerting system do so for various reasons. Perhaps they like the challenge of balancing QSOs with chasing spots. Perhaps they have limited time for the contest and want to maximize the number of exotic callsigns in their log, or they may want to help their club with a score. Remember that if you use assistance to help your score you are assisted.

This year the world top scores all came from seasoned Assisted operators. The world number one spot went to Rick, KI1G. It is not often a USA station takes top world honors. Sergey, UT5UDX, put the soccer ball aside and keyed ER4DX to #2 world and #1 Europe. Third place went to Charles, K3WW, who is no stranger to the Assisted category. The third slot in the USA went to Noah, K2NG. In Europe CT6A operated by Timo, OH1NOA, took second place from sunny Portugal.

The continental winners were: North America: KI1G, Africa: 7X0RY, Asia: RG9A, Europe: ER4DX, Oceania: KG6DX, South America: LU4DX, Japan: JF1PJK, and U.S.: KI1G .

Multi-Single

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as they could. Overlooking the town of Rincon in the valley below, they made all the necessary preparations to enter the MS category. When the dust settled on their effort, a new world Multi-Single record had been set, quite an accomplishment. From that same mountaintop you can see on the distant horizon the island that was the QTH of the second-place scorer, PJ2T. Making it an all South America MS world sweep of the top three positions was ZY7C. The European champion was the team of OM8A. Their signal was omnipresent. Another Slovakian team, OM7M, took second place, while the team from 9A1P placed third.

In the U.S. the Multi-Single team from northeastern Ohio took top honors. Tom's team at K8AZ has operated together for a long time. They work together like a well-oiled machine. Second place in the U.S. went to a Frankford Radio Club team which pushed W3BGN to a top position. Third place went to Dave's team at K8CC located in southern Michigan.

The continental winners were: North America: KP3Z, Africa: 3B8/OM0C, Asia: 4X0G, Europe: OM8A, Oceania: AH2R, South America: PJ4A, Japan: JA7YAA, and U.S.: K8AZ.

Multi-Two

What is a way to have more QSOs but have less work than Multi-Multi? If you answered

Multi-Two, you are correct. Once again demonstrating that an island QTH is the place from which to operate a contest, several groups headed off for zones 33 and 9 adventures. A group of Latvian contestants traveled down to more favorable propagation and ended up keying EA8EW to the number one score in the world. Just to the north was the Rhein-Ruhr DX Association team, CT9L, who captured second place. Third place went to 9Y4AA manned by a multi-national team. The European top score was EA6IB operating from the beautiful island of Ibiza. Second place in Europe went to IR4X operating from north central Italy. Third place went to the Croatian Contest Club station, 9A7A.

The U.S. top three finished in a south to north ranking. Taking the #1 slot was Howe's team at NY4A in North Carolina. What a great job they did. Going farther north to Pennsylvania brings you to the QTH of N3RS. Sig's station always is at the top of the competition and came in #2. Andy, K2LE/1, in Vermont took third place.

The continental winners were: North America: ZF1A, Africa: EA8EW, Asia: P3F, Europe: EA6IB, Oceania: KH6BK, South America: 9Y4AA, Japan: JA1ZGP, and U.S.: NY4A.

Multi-Multi

Take a lot work, planning, coordination, skill and mix in a little luck and what do you get?



Dragan, YT6Y, helped put Montenegro on the map.

A competitive Multi-Multi station. Each has a unique story to tell. The crew at HC8N has done all of the above. This fine CW team had the highest score in the world. They were followed by the well-planned DXpedition to Libya, 5A7A. What a great signal they had on all bands. They took away the well-deserved Multi-Op DXpedition trophy. In third place was the always popular VooDudes team. These guys really know how to have fun. They have put West Africa on the map for over ten years.

In Europe the BIG signal from Germany, DF0HQ managed to add to a long list of impressive wins by taking first place. They represented the RRDXA. In second place was a team made up of Macedonian and

Hungarian contestants, Z38N. What a great job they did in moving into contention for the top prize. Just behind in third place was DR1A representing the BCC.

In the U.S. it certainly was the contest for K3LR. Tim's fine team finished out of first place in the claimed scores but their skill in copying the stations they worked paid off by moving them into first place. However, the honors didn't stop there. Check out the trophy winners. It may be the first time in the CQ WW that one station has won three trophies. In second place was Matt's crew from southern New Hampshire. KC1XX is always a potential top winner. Third

place went to Frank's team in central Maryland. All three U.S. multi teams know each other well and appreciate the real professional competition.

The continental winners were: North America: K3LR, Africa: 5A7A, Asia: UP5G, Europe: DF0HQ, Oceania: ZL6QH, South America: HC8N, Japan: JA3YBK, and U.S.: K3LR.

Club Scores

Many operators belong to a radio club. Clubs provide a great source of information on all radio subjects, including contesting. Many of us

TOP SCORES

WORLD All Band		PY1NB	365,508	K3LR	18,075,712	K2MFY	155,084	G4BUO	4,608,468	14 MHz	
CT3NT		OK1FDR	288,673	KC1XX	17,943,896	N7WA	125,952	TM6X	4,597,263	YT5A544,824
3V6T		ZS6CCW	238,689	KR2AA	107,991	S50A	4,594,235	LZ9X431,320		
P40W		KH/N2AA	749,816	W2AW	101,010	RD3A	4,414,660	9A3B373,308		
V47NT		YT5A	544,824	K0LW	236,652	ES5RR	4,122,380	YR8B361,678		
PZ5ZY		TA3DD	532,280	N4PSE	111,915	GD6IA	4,105,530	LZ4ZP349,350		
P40T		LZ9X	431,320	N4IG	69,324	DL3YM	3,873,240	OK3C287,313		
8P5A		9A3B	373,308	WA1FCN/4	68,540	IY4W .....	.759,139			
CU2A		YR8B	4,391,590	N9XX	52,000	S54A .....	.364,820			
P49Y		AATFK	22,120	Y05OEF	12,166	S58M .....	.333,335			
A45XR		K1DG	4,258,200	T93O	101,882	ER3DX .....	.331,427			
28 MHz		C6ATA	1,137,528	N2WN/4	91,839	UT1IA	23,130	RU4SU325,480		
LU1HF		HK1AR	843,220	K2TA	79,893	OH6AC	20,088	4N7N288,574		
YM2W		IY4W .....	.759,139	KN5G	47,922	IY1A .....	.282,250		
9M8YY		UA9AYA	629,788	K8DO	33,264	T97M .....	.232,715			
T93O		S54A	364,820	W8GF	29,370	YT1VP .....	.230,620			
S57S		UN7PCZ	356,460	A12N	27,534	LY5A .....	.221,408			
LZ1NG		K2SS/1	472,752	K1PX	12,432	YT1NP .....	.196,420			
21 MHz		K4FJ	276,048	K7CMZ/4	8,320	S53F .....	.163,170			
ZP0R		IU1A	282,250	W7RH	3,813	3.5 MHz					
LW9EOC		T97M	232,715	KR4OW	2,420	IU1A .....	.282,250			
9A1A		YT1VP	230,620	K7XC	1,281	T97M .....	.232,715			
4Z5LA		LY5A	221,408	W7DRA	1,045	21 MHz					
S50K		Y1NP	196,420	KR2Q	801,420	28 MHz					
K2SS/1		1.8 MHz		N8ET	637,000	T93Y .....	.912,450			
14 MHz		VP9I	89,397	N9RV	962,544	YU2A .....	.910,059			
5Z1A		TA3D	89,148	N1YU	712,140	M5X .....	.774,117			
CN2WW		TA2RC	72,534	NY3A	608,400	T94WF .....	.736,575			
HP1/DJ7AA		OM30M	68,888	N9CK	536,284	14 MHz					
4L8A		SP2ASJ	58,158	W7WA	493,350	QRP					
ZY1A		OE3BCA	54,944	W1MU	474,848	All Band					
9M6NA		1.8 MHz		KR2Q	801,420	21 MHz					
7 MHz		N9RV	89,397	N8ET	637,000	28 MHz					
CN2R		TA3D	89,148	N2MF	414,170	T96Q	1,129,383				
T96Q		TA2RC	72,534	K7AO	266,676	F6ARC .....	.987,360			
F6ARC		OM30M	68,888	W4NZ	189,645	YU1LA .....	.982,830			
YU1LA		SP2ASJ	58,158	W2XL	180,911	IS0N .....	.896,274			
6Y1V		OE3BCA	54,944	AC8W	168,063	G0IVZ .....	.781,128			
IS0N		1.8 MHz		KT5E/0	145,590	S52AW .....	.741,984			
3.5 MHz		P40A	4,400,572	N2MF	414,170	7 MHz					
CN2R		FY5FY	1,553,748	K7AO	266,676	T96Q	1,129,383				
T96Q		OK2BYW	939,690	W4NZ	189,645	F6ARC .....	.987,360			
KR2Q		KR2Q	801,420	W2XL	180,911	YU1LA .....	.982,830			
OK7CM		OK7CM	783,222	AC8W	168,063	IS0N .....	.896,274			
N9CK		W7WA	493,350	N8IE	100,657	G0IVZ .....	.781,128			
W1MU		14 MHz		KR2Q	801,420	14 MHz					
7 MHz		W1MK	530,264	N8ET	637,000	QRP					
P40A		K1LZ	523,772	N2MF	414,170	All Band					
F403B		N7UA	189,552	K7AO	266,676	21 MHz					
SN7Q		K9ES/4	180,703	W4NZ	189,645	28 MHz					
6Y3R		N2GC	143,352	K9RS/3	3,966,300	1.8 MHz					
M6T		W3NO	126,903	K1AR	3,731,400	QRP					
3.5 MHz		K11G	7,002,125	K1PT/4	3,535,930	All Band					
1.8 MHz		ER4DX	6,093,360	N3AD	3,483,131	7 MHz					
GM3POI		CT6A	5,894,230	K3PH	2,922,656	T96Q	1,129,383				
LY2JU		JR4DAH	452,800	KQ3F	2,757,064	F6ARC .....	.987,360			
Assisted All Band		W1MK	530,264	W3FV	2,698,426	YU1LA .....	.982,830			
1.8 MHz		K1LZ	523,772	K1G	7,002,125	IS0N .....	.896,274			
K11G		N7UA	189,552	K3WW	5,962,446	G0IVZ .....	.781,128			
1.8 MHz		K9ES/4	180,703	K2NG	4,831,127	S52AW .....	.741,984			
K11G		N2GC	143,352	K9RS/3	3,966,300	14 MHz					
Low Power All Band		W3NO	126,903	K1AR	3,731,400	QRP					
Multi-Operator Single Transmitter		K11G	7,002,125	K1PT/4	3,535,930	All Band					
P40A		ER4DX	6,093,360	N3AD	3,483,131	21 MHz					
F403B		CT6A	5,894,230	K3PH	2,922,656	28 MHz					
SN2B		JR4DAH	452,800	KQ3F	2,757,064	1.8 MHz					
G3TFX		W1MK	530,264	W3FV	2,698,426	Multi-Operator Single Transmitter					
SN3R		K1LZ	523,772	K1G	7,002,125	K8AZ	6,356,599				
S50U		N7UA	189,552	K3WW	5,962,446	W3BGN	5,938,230				
K11G		K9ES/4	180,703	K2NG	4,831,127	K8AZ	6,356,599				
Multi-Operator Single Transmitter		N2GC	143,352	K9RS/3	3,966,300	W3BGN	5,938,230				
P40A		W3NO	126,903	K1AR	3,731,400	K8AZ	6,356,599				
F403B		K11G	7,002,125	K1PT/4	3,535,930	W3BGN	5,938,230				
SN2B		ER4DX	6,093,360	N3AD	3,483,131	K8AZ	6,356,599				
G3TFX		CT6A	5,894,230	K3PH	2,922,656	W3BGN	5,938,230				
SN3R		JR4DAH	452,800	KQ3F	2,757,064	K8AZ	6,356,599				
S50U		W1MK	530,264	W3FV	2,698,426	W3BGN	5,938,230				
K11G		K11G	7,002,125	K1G	7,002,125	K8AZ	6,356,599				
Multi-Operator Two Transmitter		ER4DX	6,093,360	K3WW	5,962,446	W3BGN	5,938,230				
P40A		CT6A	5,894,230	K2NG	4,831,127	K8AZ	6,356,599				
F403B		JR4DAH	452,800	K9RS/3	3,966,300	W3BGN	5,938,230				
SN2B		W1MK	530,264	K1AR	3,731,400	K8AZ	6,356,599				
G3TFX		K11G	7,002,125	K1PT/4	3,535,930	W3BGN	5,938,230				
SN3R		ER4DX	6,093,360	N3AD	3,483,131	K8AZ	6,356,599				
S50U		CT6A	5,894,230	K3PH	2,922,656	W3BGN	5,938,230				
K11G		JR4DAH	452,800	KQ3F	2,757,064	K8AZ	6,356,599				
Multi-Operator Two Transmitter		W1MK	530,264	W3FV	2,698,426	W3BGN	5,938,230				
P40A		K11G	7,002,125	K1G	7,002,125	K8AZ	6,356,599				
F403B		ER4DX	6,093,360	K3WW	5,962,446	W3BGN	5,938,230				
SN2B		CT6A	5,894,230	K2NG	4,831,127	K8AZ	6,356,599				
G3TFX		JR4DAH	452,800	K9RS/3	3,966,300	W3BGN	5,938,230				
SN3R		W1MK	530,264	K1AR	3,731,400	K8AZ	6,356,599				
S50U		K11G	7,002,125	K1PT/4	3,535,930	W3BGN	5,938,230				
K11G		ER4DX	6,093,360	N3AD	3,483,131	K8AZ	6,356,599				
F403B		CT6A	5,894,230	K3PH	2,922,656	W3BGN	5,938,230				
SN2B		JR4DAH	452,800	KQ3F	2,757,064	K8AZ	6,356,599				
G3TFX		W1MK	530,264	W3FV	2,698,426	W3BGN	5,938,230				
SN3R		K11G	7,002,125	K1G	7,002,125	K8AZ	6,356,599				
S50U		ER4DX	6,093,360	K3WW	5,962,446	W3BGN	5,938,230				
K11G		CT6A	5,894,230	K2NG	4,831,127	K8AZ	6,356,599				
Multi-Operator Multi-Transmitter		JR4DAH	452,800	K9RS/3	3,966,300	W3BGN	5,938,230				
P40A		W1MK	530,264	K1AR	3,731,400	K8AZ	6,356,599				
F403B		K11G	7,002,125	K1PT/4	3,535,930	W3BGN	5,938,230				
SN2B		ER4DX	6,093,360	N3AD	3,483,131	K8AZ	6,356,599				
G3TFX		CT6A	5,894,230	K3PH	2,922,656	W3BGN	5,938,230				
SN3R		JR4DAH	452,800	KQ3F	2,757,064	K8AZ	6,356,599				
S50U		W1MK	530,264	W3FV	2,698,426	W3BGN	5,938,230				
K11G		K11G	7,002,125	K1G	7,002,125	K8AZ	6,356,599				
Multi-Operator Multi-Transmitter		ER4DX	6,093,360	K3WW	5,962,446	W3BGN	5,938,230				

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
CT3NT	391/15/60	1098/26/82	1788/31/102	1524/35/101	1104/29/101	564/22/72
3V6T	245/10/51	1179/23/77	1738/33/99	1412/32/97	1630/32/92	665/14/52
P40W	363/15/57	1016/25/83	1324/27/102	1577/33/99	1565/29/96	532/20/50
V47NT	169/14/46	799/24/85	2426/33/116	1994/34/110	1492/27/89	197/14/38
PZ5ZY	132/10/28	705/18/73	900/30/98	1220/32/95	2440/33/115	650/23/79
P40T	269/13/53	497/20/68	1858/28/93	1474/31/91	1762/31/95	488/17/43
8P5A	392/14/58	861/22/76	1344/26/95	1463/31/88	1802/29/95	614/19/41
CU2A	329/16/64	852/23/86	1663/34/106	1260/32/99	1587/28/95	517/22/69
P49Y	234/15/43	663/23/77	1190/30/94	1263/31/95	1179/26/82	638/16/48
A45XR	178/14/48	575/25/75	1495/32/115	1040/34/103	1100/30/99	309/23/62

WORLD MULTI-OPERATOR SINGLE TRANSMITTER

PJ4A	148/18/67	472/25/94	3060/33/133	1822/39/150	2538/35/127	329/24/72
PJ2T	226/18/64	502/25/93	2053/32/118	1573/38/132	1632/32/123	542/20/44
ZY7C	47/15/46	270/24/86	1543/30/111	1429/37/125	1872/29/120	312/24/85
OM8A	318/23/97	1146/35/127	1543/39/142	1638/37/147	1017/36/137	176/28/97
KP3Z	216/14/55	918/27/98	1751/33/118	1413/37/122	1577/33/120	248/20/58
OM7M	405/25/100	1026/33/116	1572/40/148	1334/38/148	861/36/142	104/27/92

WORLD MULTI-OPERATOR TWO TRANSMITTER

EA8EW	487/19/81	1895/32/113	3145/37/137	2565/37/140	3051/35/130	1133/24/87
CT9L	490/18/75	1628/28/104	2972/34/121	2849/39/137	2679/32/117	696/20/76
9Y4AA	202/12/27	1395/29/92	3293/34/121	2597/37/127	2613/35/126	596/22/58
P3F	530/16/65	1353/30/101	2933/36/127	2036/35/113	1909/30/105	279/10/45
EA6IB	810/17/80	1821/32/112	2720/37/147	2225/37/139	1532/34/131	815/27/93
ZF1A	414/14/50	1233/26/99	2805/37/127	2650/38/137	1674/32/114	192/17/46

WORLD MULTI-OPERATOR MULTI-TRANSMITTER

HC8N	931/21/83	1981/34/117	3936/38/153	3606/40/157	3783/38/151	1815/31/113
5A7A	1521/20/85	3196/33/112	4586/36/130	3633/36/125	2920/34/116	1412/28/91
TZ5A	374/18/66	1380/33/104	2989/39/143	3775/38/145	3811/38/147	2120/34/127
IH9P	1423/23/95	2638/34/112	3655/36/139	2871/37/132	2062/37/128	1166/28/88
K3LR	316/23/92	1368/35/121	1564/40/158	2174/40/167	1515/34/138	222/22/74
KC1XX	442/21/90	1602/35/126	1528/40/153	2198/38/149	1289/30/129	228/22/75

have spent hours and hours talking about the last contest, propagation, and "did you work those stations on 10 meters?" If you look at this year's club top scores, I am sure you will realize how much planning and effort those points represent. The world's top club score was submitted by the Yankee Clipper Contest Club. What a great job. Second place in the world went to perennial powerhouse, the Frankford Radio Club. Third place U.S. went to the Potomac Valley Radio Club. Each of these clubs has a long tradition of full commitment to the contest. Clubs encourage activity and that is good for amateur radio and contesting. For many years now there has been a friendly rivalry between the RRDXA and the BCC. This year the Rhein-Ruhr DX Association edged out the Bavarian Contest Club for first place non-U.S. and third place world. Thanks to all the clubs who sent in scores.

Team Contesting

Get together five contestants from anywhere in the world to form a team. As you can see below, the Pile-up Survivors team took away top honors. The team had some very top finishers in the contest. Second place went to the League of Distinguished Lids made up of calls most will recognize. Third place went to LUCG—Real Men do it from the Deep South. You can send your team registration via e-mail: <teams@cqww.com> (or fax or mail to CQ magazine). You will receive an acknowledgement.

1. Pile-Up Survivors: 8P5A (W2SC), CT3NT (CT1BOH), ER4DX (UT5UDX), P49Y (AE6Y), VO1AAM (VE3DZ): 42,942,168

2. League of Distinguished Lids: V47NT (N2NT), VE3EJ, K5ZD/1, N2IC/5, K5TR (N5RZ): 31,768,439

3. LUCG - Real Men do it from Deep South: P40W (W2GD), LT1F (LU1FAM), CE4CT (XQ4CW), 3G1X (XQ1IDM), LU4DX (LU5DX): 25,605,371

4. Code Sharks: TO5X (K5UN), ZS1EL, ZS4TX, VE1OP, OK2FD: 16,509,812

USA TOP SINGLE OPERATOR ALL BAND

Station	160	80	40	20	15	10
K5ZD/1	219/18/69	586/28/95	1083/33/112	1387/34/121	779/27/98	66/19/45
K4ZW3	100/18/61	609/28/83	973/35/109	961/35/106	77/27/93	123/20/54
K3CR	110/18/58	640/27/95	439/29/96	1205/36/108	678/26/91	74/22/42
W1KM	211/16/62	778/29/89	558/27/95	867/33/107	907/25/89	25/13/20
NN1N	205/17/64	516/29/97	841/32/102	752/33/107	439/25/77	31/12/21
K1ZZ	146/18/72	420/29/93	487/28/106	858/33/114	561/25/91	52/18/36
W9RE	60/12/36	384/27/88	612/33/105	1099/33/108	591/29/98	35/11/22
K1DG	111/15/62	353/21/80	705/32/102	749/30/109	665/23/84	46/14/28
KT3V/4	117/12/49	488/23/75	819/31/103	754/28/80	539/21/73	51/15/36
N2IC/5	45/16/35	232/30/81	906/39/105	687/36/110	469/30/96	51/17/34

USA MULTI-OPERATOR SINGLE TRANSMITTER

K8AZ	78/20/74	394/30/107	750/34/123	961/36/137	803/31/124	60/20/51
W3BGN	160/20/81	413/30/110	756/33/123	742/35/130	632/30/115	66/21/58
K8CC	75/18/65	324/29/104	499/36/122	1082/38/139	628/30/123	49/20/48
W3UA/1	111/19/61	421/22/93	817/33/122	1181/34/123	384/26/102	38/17/37
K1IR	86/17/65	574/26/97	635/31/116	1043/35/131	446/24/102	45/17/36
K2QMF	108/16/67	270/25/98	573/32/116	1144/35/124	438/26/110	40/16/30
K0RF	34/16/31	241/29/88	990/39/134	699/39/131	386/31/112	55/16/44

USA MULTI-OPERATOR TWO TRANSMITTER

NY4A	153/18/71	931/30/107	1376/34/127	1479/36/127	1079/27/114	70/19/41
N3RS	109/18/62	03/31/109	1245/37/144	1442/38/137	1043/29/115	131/23/67
K2LE/1	83/12/48	423/25/99	1017/34/125	1201/36/131	714/26/111	35/13/21
N4WW	95/17/63	390/29/108	790/37/127	948/37/133	757/32/119	98/19/49
NR4M	22/9/15	266/24/94	481/33/125	1621/39/139	289/30/109	85/21/59
W2PV/1	90/14/51	400/29/99	458/30/107	1051/33/119	582/25/108	43/15/30

USA MULTI-OPERATOR MULTI-TRANSMITTER

K3LR	316/23/92	1368/35/121	1564/40/158	2174/40/167	1515/34/138	222/22/74
KC1XX	442/21/90	1602/35/126	1528/40/153	2198/38/149	1289/30/129	228/22/75
W3LPL	527/23/101	1641/34/122	1468/38/155	1860/39/153	1484/33/128	294/23/81
K1TT	304/19/83	849/28/109	992/34/123	1841/38/140	1076/28/117	174/21/71
NQ4I	256/21/75	664/31/108	1198/38/139	1710/38/145	1201/31/127	239/25/73

13. Contest Group du Quebec #1: VE2AWR, VE2TZT, VE2XAA, VA2WDQ: 4,580,486

14. Team Stavropol Region: RW6HX, RW6FO, RW6FZ, UA6HON: 4,218,034

15. CCF Team Finlandia: OH2BH (OH1WZ), CT8T (OH1NOA), EA8/OH4NL, OH2LU: 2,955,777

16. WWYC Team #2: OH2BH (OH1WZ), CT8T, EA8/OH4NL, NN3W: 2,668,649

17. WWYC Team "B": XU7ADE(E21EIC), N4YDU, M3PHP: 1,524,390

18. Dream-Team Tosno-city: RW1CX, RX1CD, RZ1CXS, UA1CEC, UA1CUR: 1,456,718

19. DXXE Light 1: XE2AUB, XE1CT, XE1YJS, XE1ZVO: 478,610

20. Contest Group du Quebec #2: VE2FU, VE2FFE, VA2SG: 455,110

21. DXXE Light 2: DL6KAC, XE1UN, XE2S: 275,784

Records

You can QSY to <cqww.com> to check the records for every country that has entered the CQ WW since 1948. If you discover an error,

EUROPE TOP SINGLE OPERATOR ALL BAND

Station	160	80	40	20	15	10
CU2A	329/16/64	852/23/86	1663/34/106	1260/32/99	1587/28/95	517/22/69
LZ9W	242/12/60	630/23/79	1619/28/101	1129/30/93	880/34/101	108/12/40
G4BUO	406/16/66	912/18/73	577/31/97	941/31/95	759/28/100	123/20/64
TM6X	167/12/56	781/22/79	663/30/98	838/34/90	844/32/99	246/20/49
S50A	96/11/59	753/25/86	890/36/107	1061/34/91	618/34/88	92/20/52
RD3A	301/18/64	1079/31/105	1119/36/127	809/30/93	546/32/113	124/17/53
ES5RR	758/19/71	774/24/82	916/29/90	1303/31/95	335/27/84	216/13/55
GD6IA	530/15/58	468/15/59	812/27/89	1149/31/92	785/27/89	160/17/66
TK5EP	487/15/64	578/14/65	623/25/88	898/22/63	1416/30/83	257/12/44
DL3YM	341/14/55	595/24/77	917/30/98	996/31/82	544/27/88	56/15/39

EUROPE MULTI-OPERATOR SINGLE TRANSMITTER

OM8A	318/23/97	1146/35/127	1543/39/142	1638/37/147	1017/36/137	176/28/97
OM7M	405/25/100	1026/33/116	1572/40/148	1334/38/148	861/36/142	104/27/92
9A1P	262/16/73	1204/32/116	1394/37/142	1135/37/134	1194/36/138	249/27/96
OE4A	219/19/78	988/31/111	1505/34/125	1451/37/128	1159/37/134	199/27/91
EA4KR	169/12/64	819/30/108	1616/33/122	1220/36/128	913/33/118	456/25/91
RK2FWA	616/23/96	1082/31/113	1283/40/143	1367/35/137	729/35/135	97/20/70

EUROPE MULTI-OPERATOR TWO TRANSMITTER

EA6IB	810/17/80	1821/32/112	2720/37/147	2225/37/139	1532/34/131	815/27/93
IR4X	464/20/78	1506/34/118	2041/39/148	1947/39/134	1459/36/138	146/26/88
9A7A	538/16/71	1780/33/109	1993/36/142	2083/38/139	1534/37/137	284/26/85
UU7J	712/23/89	1640/37/126	2110/39/153	1898/36/139	1183/35/140	255/28/91
RU1A	941/29/100	1383/35/129	1873/37/137	1477/38/142	562/33/125	356/21/77
HG3DX	387/12/55	1380/30/102	1791/35/118	1555/36/118	810/36/132	257/22/78

EUROPE MULTI-OPERATOR MULTI-TRANSMITTER

DF0HQ	1107/24/92	2165/38/130	2835/40/157	2110/39/148	1113/35/141	346/26/92
Z38N	1170/17/78	2413/34/114	3188/40/139	2399/36/134	1755/35/127	632/25/80
DR1A	1088/23/90	1769/36/128	2604/38/151	2244/39/144	1231/34/136	325/25/98
OM0M	1105/24/90	1543/37/116	1806/36/137	1657/36/137	1018/36/130	245/27/85
LY7A	927/14/69	1371/25/96	1791/37/134	1640/37/135	665/34/123	196/19/62
DL0KF	2479/52	408/15/65	348/28/105	699/34/113	334/25/86	47/16/33

please let us know at <questions @cqww.com>. Below are the outstanding efforts of super operators which resulted in setting new CW records during the 2006 contest. Congratulations!

World: 7 CN2R (W7EJ), L7 C6ATA (K2KW), L3.5 UN4L, A7 9K2HN (9K2RR), A3.5 7X0RY

Africa: 7 CN2R (W7EJ), QA 5H3WA (SM0HPL), A3.5 7X0RY, M2 EA8EW.

Asia: L3.5 UN4L, A7 9K2HN (9K2RR), A3.5 5B/M0XAA

Europe: ALL CU2A (OH2UA), 7 T96Q, 3.5 4O3B (OH2BH), 1.8 GM3POI, L7 IY4W (IK4ZGO), L3.5 IU1A (IK1SPR), Q14 HA1DK, A3.5 CS2R (OK2RZ)

North America: 3.5 VY2ZM (K1ZM), L7 C6ATA (K2KW), L1.8 VP9I (WA4PGM), A3.5 KV0Q, A1.8 W4ZV, M2 ZF1A.

Oceania: 3.5 KH7X (KH6ND), A21 VK4AN, A7 ZL2FB, A3.5 ZL1KMN, A1.8 KH7U.

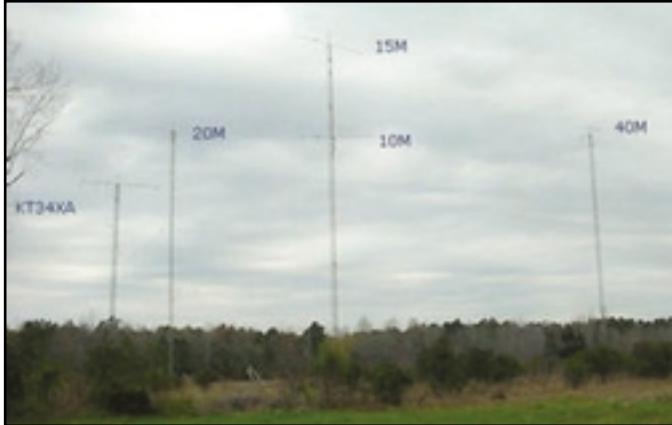
South America: MS PJ4A

USA: 3.5 W1MK, 1.8 K3BU/8, L3.5 N2WN/4, L1.8 K1PX, A3.5 KV0Q, A1.8 W4ZV.

Japan: A14 JM2RUV.

Special Mention

The following stations are some of the many who made the contest more interesting for everyone by going on DXpeditions or providing rare call signs. 3V6T, 3XD2, 4S7JNG, 4U1ITU, 5A7A, 5H3EE, 5H3WA, 5R8FU, 5W0OJ, 5Z1A, 5Z4LS, 6V7D, 6W1RW, 6Y1V, 6Y3R, 8P5A, 8P6SH, 8P9NX, 8Q7DV, 9G5ZS, 9H6A, 9K2HN, 9M2CNC, 9M2MT, 9M2TO, 9M6NA, 9M6XRO, 9M8YY, 9N7JO, 9V1YC, 9Y4AA, A45WD, A45XR, A61M, A71EM, B1Z, B3C, B5C, B5TT, B7P, BA4ALC, BA4DW, BA4RF, BA5TT, BA6QD, BA6QH, BD0AAI, BD1CAL, BD1DQU, BD1DRJ, BD1FBV, BD2BT, BD4ITN, BD4IZL, BD4SQ, BD5WW, BU2AI, BY1QH, BY4VAM, BY6RC, C4M, C6AKX, C6AQQ, C6ART, C6ATA, CN2R, CN2WW, CN8YR, CO2JD, CO2JW, CO6LP, CO8LY, CO8TW, CO8ZZ, CT3NT, CT9L,



NY4A took top honors USA Multi-Two.

CU2A, D44AC, DU3NXE, DX1DBT, E21IZC, E51TLA, E51YAQ, GD6IA, GD8T, GJ2A, HI3A, HK0GU, HK1AR, HC8N, IH9P, J37T, J41A, J42T, J43J, J45KLN, J79Z, JT1BL, JT1BV, JT1C, JT1CO, JT1CS, JT1JA, JV800DA, MD4K, MD6V, OH0I, OH0K, OH0M, OH0V, OH0X, OH0Z, P3F, P40A, P40T, P40W, P49Y, PJ2T, PJ4A, R1ANC, SI9AM, ST2A, ST2T, SV5DZX, SX5R, SZ1A, SZ6P, T40C, T88MR, TI5N, TO5X, TZ5A, V26K, V31XX, V47NT, V51AS, VA2wdx, VK9AA, VP2MDG, VP2VVV, VP5W, VP8NO, VP9I, XU7ADE, XU7MWA, YI9KT, ZF2AH.

Why not join the fun of operating overseas somewhere? You will surely find that it is an experience to remember.

Comments

From data provided by the CQ WW CW, there is no evidence of a decline in CW activity. Just the opposite is true. The 2006 contest provided a new CW record of the number of submissions, over 4500 (almost as many as SSB!). The beauty of CW and its inherent required skill appeals to a vast numbers of contestants. Once again approximately 4300 electronic logs were successfully submitted. Only about 200 paper logs were received. Thank you for submitting your log electronically. Your effort makes the CQ WW database more accurate and the final scores truer. The Cabrillo logging output was created to allow standardization in log checking. It still requires accurate action by the entrant. Make sure to list all the ops who participated in a multi category. Check to make sure the proper category is indicated. The CQ WW Contest Committee uses the same .cty file to check all the logs. In this way all the logs are treated equally. The CQ WW CC has known for a very long time that a large number of CQ WW entrants have limited operating time. It is precisely these operators having fun who give the continuing runs available during the contest. No matter how your time might be limited because of other demands, get on in the CQ WW and have fun. The CQ WW CC wants to thank and recognize the casual operator as a major contributor to everyone's good time.

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

On CW there were several entrants who forgot to change bands on their computer logging program. This creates not-in-log contacts for all those stations worked. A lot of time is spent by the CQ WW CC to find these "not in log" problems. We cannot find them all. If you discover you have this problem, please contact the station who made the logging error. For more information on this subject look at <cqww.com> under UBN/NIL reports explained. Please be careful to log all your QSOs on the correct band.

For the last several years, the CQ WW CC has spent considerable time and effort to check log submissions that were questionable. We have now developed very sophisticated methods to check

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CLUB SCORES

DX CLUBS

Rhein-Ruhr DX Association	218,724,771	Podolsk Radio Club (UA3)	468,593
Bavarian Contest Club	214,962,215	RU-DX-Club (UA)	444,077
Araucaria DX Group (PY5).....	81,283,628	Bryansk Contest Team (UA3)	396,109
Contest Club Finland.....	77,847,735	Vladimir Radio Club (UA3)	390,016
Contest Club Ontario.....	69,220,610	Radio Club Palma (EA8)	388,103
Russian Contest Club	63,523,076	Serpuhov Radio Club (UA3)	380,885
*World Wide Young Contesters	58,892,647	Perm Radio Club (UA9)	337,078
YU Contest Club	53,826,788	Siam DX Group (HS)	335,724
LU Contest Group	51,158,205	RTTY-CJ Contesters (JA)	323,393
Ural Contest Group (UA9)	39,636,245	Tsinghua University ARC (BY)	294,039
Croatian Contest Club	36,245,434	Yoshkar-Ola Contest Club (UA4)	290,695
Slovenia Contest Club	36,082,921	Irkutsk Radio Club (UA0)	287,143
Kaunas Technical University Radio Club	34,286,755	Bosnia-Herzegovina Contest Club	274,066
Tikiriki Contest Club (I)	34,079,531	Israel ARC	259,896
SP DX Club	24,954,164	Koryazhma DX Company (UA1)	230,772
VK Contest Club	24,285,712	Obninsk QRU Club	210,151
Madeira Contest Team	23,641,503	R4F-DX-Group	194,044
Ukrainian Contest Club	23,219,546	Omsk Region Radio Club (UA9)	189,242
Hungarian DX Club	19,924,865	Kirov Radio Club ((UA4))	180,422
Chiltern DX Club (G)	19,259,255	Radio Club Ljubljana (S5)	176,031
Dozen Dashes Contest Club (OM)	18,783,920	Reading & District ARC (G)	152,800
Mt. RF (JA)	15,930,114	Lipetsk Radio Club (UA3)	148,749
South Ural Contest Club (UA9)	15,288,164	Shizuoka DX Association (JA)	136,736
Austrian Contest Club	15,179,387	Isrtita Buau (YO)	122,223
UA2-Contest Club	15,174,626	Sao Paulo Contest Group	88,133
Bloemfontein Defense (ZS)	14,423,970	Paper DXers (JA)	64,034
TUPY DX Group (PY)	12,686,134	YU DX Club	53,155
Latvian Contest Club	12,396,751	Club de CW Do Dist. Federal ((PY))	48,654
British Columbia DX Club (VE7)	10,850,195	Bokovina (UR)	34,607
Vrhniaka Contesters (S5)	9,542,924	Thailand CW Amateur Radio	27,816
Moscow Radio Club	9,202,051	UR-QRP-Club	6,612
Black Sea Contest Club (UR)	9,115,271		
LNDX (F)	8,522,926		
KKKK (UA6)	7,904,218		
Lima Alpha Contest Club (LA)	7,830,971		
DX XE (XE)	7,727,610		
Contest Cambria (GW)	6,350,355		
GACW (LU)	6,131,551		
LA DX Group	5,961,676		
Tartu Contest Team (ES)	5,784,481		
Lyon DX Group (F)	5,147,361		
Contest Group du Quebec	4,923,002		
Stavropol Team Contesting (UA6)	4,674,815		
South German DX Group	4,240,100		
Central Siberia DX Club (UA0)	4,177,760		
Czech Contest Club	4,177,760		
Cray Valley Radio Society (G)	4,143,740		
OK DX Foundation	4,015,718		
Top of Europe Contesters (SM)	3,929,804		
Lithuanian Contest Group	3,854,942		
Berlin DX Group	3,786,300		
Contest Group Oude Maas (PA)	3,388,000		
SP Contest Club	3,303,461		
Guara DX Group (PY7)	3,122,930		
Orenburg Radio Club (UA9)	2,697,301		
JT1JA Club	2,658,725		
Z30M Contest Club	2,462,661		
Low Land Crazy Contesters (PA)	2,434,056		
Fox Contest Club (YU)	2,399,648		
Kiel Canal Activity Group (DL)	2,202,382		
YO DX Club	2,134,706		
Temirtau Contest Club (UN)	2,100,942		
Northern Greece Contest Team	2,098,853		
Parma Radio Club (UA9)	2,077,235		
Dragon ARC (GW)	2,076,662		
LYNX (EA)	1,699,556		
Marconi Contest Club (I)	1,608,508		
RAA Western Greece	1,538,626		
Danish DX Club	1,473,235		
POISK (UA0A)	1,414,729		
Sky Contest Club (YU)	1,404,220		
Radio Amateur Society Thailand	1,380,980		
Udmurtia Contest Club (UA4)	1,346,140		
Kemerovo Club (UA9U)	1,280,746		
YO3KAA Club	1,250,169		
Pizza & Pasta Club (I)	1,170,071		
Tallinn Radio Club (ES)	1,113,929		
Shefford & District ARS (G)	1,094,140		
Yaroslavl Radio (UA3) Club	959,317		
Saipan Amateur Radio Club	875,749		
Alberta Clippers(VE6)	862,394		
Amsterdam Dx Club	719,489		
Shakhan Contest Club (OK)	710,358		
Radio Club de la Serena (CE)	674,002		
Haros Radio Club (HA)	661,885		
Ivanovo DX Club (UA3)	597,373		
Stirling ARC (GM)	587,773		
Noviomagnum DX Group (PA)	573,645		
Sarajevo Contest Group (T9)	544,197		
Saskatchewan Contest Club (VE5)	515,804		
Orel Contest Club (UA9)	506,981		
Samara Radio Club (UA4)	498,342		

USA CLUBS

Yankee Clipper Contest Club	284,525,061
Frankford Radio Club	246,857,664
Potomac Valley Radio Club	169,364,704
Northern California Contest Club	76,510,166
Florida Contest Group	75,756,125
North Coast Contesters (W3/W8)	49,829,455
Southern California Contest Club	43,897,322
Society Midwestern Contesters	29,158,319
Minnesota Wireless Association	27,736,432
Southeast Contest Club	27,239,967
Western Washington DX Club	25,845,780
Carolina DX Association	25,680,386
Mad River Radio Club (W8)	24,757,302
Central Texas DX Contest Club	19,489,191
Rochester DX Association (W2)	13,747,872
Hudson Valley DX Contest Club (W2)	13,230,678
Mother Lode DX Contest Club (W6)	13,063,095
Tennessee Contest Group	11,223,584
North Texas Contest Club	10,204,127
Willamette Valley DX Club (W7)	7,950,361
Iowa DX Contest Club	7,191,870
Alabama Contest Group	6,071,558
Central Arizona DX Association	5,840,746
Oklahoma DX Association	5,364,881
Order of Boiled Owls of NY	5,353,455
Utah DX Association	2,947,056
CT RI DX Contest Club (W1)	2,179,067
Kentucky Contest Group	2,118,847
Northern Illinois DX Association	1,899,849
Northeast Wisconsin DX	1,796,854
Northern California DX Club	1,683,283
Grand Mesa Contest Club (W0)	1,501,821
Southwest Ohio DX Association	1,424,559
San Diego DX Club	1,295,170
Southern California DX Club	1,238,314
Northern Arizona DX Association	1,221,726
Northern Rockies DX Association (W7)	1,198,880
Texas DX Society	1,198,449
Bay Area Wirelerss Association (W9)	1,065,027
Kansas City DX Club	998,919
Green River Valley ARS (W7)	950,415
Salt City DX Association (W2)	681,405
South Jersey DX Association	599,985
Western New York DX Association	577,105
Downey ARC (W6)	511,197
West Park Radios (W8)	497,977
Utah Dixie DX & Contesters	492,906
Pike's Peak DX Group (W0)	473,387
Central Oregon DX Club	468,845
Metro DX Club (W9)	448,058
Southeast DX Club (W4)	409,099
Virginia DX Contest Club	362,997
Mile-High DX Association (W0)	270,900
Azalea Coast ARC (W5)	242,929
Sterling Park ARC (VA)	227,255
Redwood Empire DX Association	208,571
Bergen ARA (W2)	94,026
Southwest Missouri ARC	91,182
Great South Bay ARC (W2)	40,250
North Alabama DX Club	24,674

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an entrant's submission authenticity. Unfortunately, a very few entrants continue to claim the impossible. When these entrant's reach the level of a very high-profile log, it must be checked thoroughly. Fortunately, as you can see from the CQ WW CC list at the end of this article, the committee consists of many contestants who are truly experts. The CQ WW CC also consists of members who are directors past and present of other well-known contests—e.g., WAE, EUHFC, JIDXC, WPX, and the WRTC. These individuals bring a depth of knowledge of which we try to take full advantage. If you want try to be at the top in any category, follow the rules. Do not have another person help you if you are single operator. Do not use two signals at once. Make sure that all your TXs and RXs are within station limitations.

Thanks

The CQ WW Contest Committee wants to thank all the entrants who make the CQ WW the event each year. We do our best to assure that the results are true and accurate. The results require hundreds of hours of work by a lot of people. The members of the CQ WW CC who provided labor and insight in creating these results are: K1DG, K1AR, K3WW, K3ZO, K3LR, KR2Q, N2AA, N2NC, N3ED, N9RV, W3ZZ, K1AR, KM3T, KT3Y, W5OV, N5KO, K6AW, and N8BJQ. The logs were received and processed by Larry, N6TW, and the scores were developed by Dick, N6AA. The CQWW records are maintained by N2NC and K3EST. Thanks to John, K1AR, for his advice and hard work to make the CQ WW so successful. Our CQ WW CC members who are DX advisors were very helpful in offering advice, providing information, and sorting out potential problems: CT1BOH, DL6RAI, EA3DU, F6BEE, G3SXW, I2UIY, JE1CKA, OH2KI, OH2MM, OK2FD, PY5EG, S50A, UA9BA, VA7RR, VE3EJ, and E21EIC.

If you plan to participate in the 2007 CQ WW contests, you are on the track to having a lot of fun. Congratulations to all the participants and winners on all levels! CU in the 2007 contests!

73, Bob, K3EST

DX QRM

403B: Went south. Got heck out of aurora oval. Came home happy! Darn, missed KH7X and NL7Z. 40 zones on 80 were in reach! **5Z4LS:** Disastrous theft of rigs and laptop on Saturday evening. Condx quite good for sunspot minimum especially on Sunday. **6W1RW:** Great conditions on low bands. Ten was open with no wild pile-ups as on other bands. Again a very nice contest. **7S2E:** Lots of stations on 40. The 99w helped me get 100 DXCC countries with some aid of the cluster. Fun to work some contest again, although the aurora tried to mix it up for me. Thanks for hearing me and see you in future contests. **8P6SH:** Seemed like good condx on 40m. Pity I couldn't spend more time on the radio. **9A4WW:** I've been trying to test new antenna during the contest and it works well. Yet another great weekend for putting antenna up and down. Nice conditions and interesting contest. See you all next year! **C6ATA:** Conditions were down from a few days before the contest, but still good enough for a claimed 40m low power world record! I just used

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two verticals on the beach pointed northeast, from a great location on Eleuthera. Many thanks for the QSOs (op K2KW). **CN2R:** Condx were great! I should have operated the full 48 hours. Not enough sleep before the test due to dog eating coax problems. The JA's were loud on short and long path. The band never closed. Tx for the QSOs. **CO8ZZ:** I lost my CT's interface so I used the keyer for very first time in years. Too much local noise and work to do. However, I really enjoyed as always. Worked several interesting countries! **DK2PH:** Never expected to work all continents and 23 zones on 10m in sunspot minimum.

DQ4W: Great low band condx produced excellent signals on 160 to NA during the first night. **EA8CN:** Computers are fantastic. Due to them I've been able to save the logs from before. Thanks to them I can say that we've left the low sunspot cycle and are on the way "up." Last year I could work USA on an "any-way sort of wire antenna" on 160m and the 10m band was almost dead. This year I could hardly work any stations on 160m and had a fantastic "go" on 10m. Looking forward to coming years. **EI1JD:** Great contest. Nice to see 10m open and all other bands were great. **EU1AI:** This year very good conditions on 15 meters. **F5UKL:** Thanks a lot for your answer to my call. DX had very good ears, but it is very difficult to find a free Hertz! Best 73 to all and see you next year. **G0CKV:** First CQ WW for more than 35 years. Had great fun. Did much better than expected with low power and wet string at 25 ft. **G3KKP:** Great contest as usual. Interesting conditions for a change. First CQ WW CW test for me was in 1958. Still cannot resist! **G3TXF:** Top band is the ideal place to be at the bottom of the sunspot cycle! A 160m dipole at 95 ft. and three different receive antennas were put up especially for the CQ WW CW contest weekend. **G5XV:** 10m opening was a dream especially to VK9AA and run to NA. **GI0KOW:** Antenna didn't work as well as expected, score suffered as a result! Antenna scrapped and replaced on the Monday morning after the contest with something better. **GM0B:** GM0B second entry for CQ WW CW. This time better prepared. Aurora inhibited play on Saturday/Sunday night but managed to keep things going on the lower bands. Top band antenna started acting up early on and did not work as intended. Conditions seemed poor compared to last year but excellent openings on 10m kept things moving along. Thanks to all who worked us.

GU4YXO: 160m was really the place to be this year. There will be some record scores! Great conditions at the sunspot minimum. **GW4ALG:** This was my fifth QRP entry in CQ WW. The highlight was working JA8RWU on 40m, so well done pulling my 5 watt signal through the noise! Incredible, just incredible. **HK0GU:** Great condx during the contest most of the time. My best result ever! I am really satisfied with the score for my little pistol rig. It was my first contest with activities on 160m. **HS0ZDY:** Vy good condx on 40/80. Worked EU/US on 80 with a sloper! Have not been contesting for 5 years. Fun to be back. **I2WIJ:** First serious SOAB LP from my home QTH in downtown Milan. I found 40m very noisy the first night, while 80 and 160 were simply amazing. Since we cannot have less than zero sunspots, can you all imagine what will we be able to do next year? **IR4X:** Our best CW score. Amazing low band conditions despite our poor antennas on 80 and 160. Congrats to the EA6IB's team, great number of QSOs and multipliers. Thanks all for calling us. **IZ0EHL:** This is my first CQ WW CW. Very very fun indeed and now I'm "falling in love" with CW more than in the past. **J41A:** Operating from a/p location high up in the clouds was a big challenge due to extremely high humidity and zero visibility. **JM1LPN:** Due to the operators' commitment over the weekend, we had to miss about 12 hours. The propagation was amazing on 40m with the polar path opening both toward NA and EU. Congratulations on some rare (for JA's) Caribbean stations which were booming on 40m! **KH7U:** The second night was "fill" night. S8 to S9 plus 30 noise. No fun. **KH7X:** Tough conditions from the Pacific. Thanks to all the good ears (op KH6ND). **KL2R:** Bands just so-so up here with aurora denting low bands on Saturday night and Sunday afternoon. Not as many multipliers worked as CQ WW SSB. **KP4US:** Better antennas equals more fun! N3BNA designed antennas this year and made a huge difference. KC9Z erected a full-sized 160m ground plane



John, KQ6ES, is an active zone 3 contestor.

using a balloon. Wow! And being in the tropics always adds to the effort.

LNBW: Great contest again! Even when the condx are not that great this contest rocks. **LX7I:** Again a nice experience to work with this new team in the contest. We made a lot of improvements on the antenna system and still need to improve our antennas for better M/S results. We missed a lot of mults on 20m as this antenna is on the same tower as the 40m antenna. Thanks again for calling us. Cu again next year. **NL7Z:** Had some very good conditions the first night, but my best QSO was 8Q7DV at sunrise on Sunday. **NP3D:** After 15 years residing in USA, this was my very first CQ WW when I QRV from USA. All other contests I went out of states. **OH0M:** Partly poor propagation with aurora. Struggled to get zone 4, struggled to get to JA. Competition from immediate vicinity (OH0K eight miles away also worked SOSB 160) took care of the rest. Thanks to my hosts, the OH0Z gang! The station worked flawlessly! **P3F:** Great fun. First time in M/2 category. We'll be doing this again! **P49Y:** First ever CQ WW CW, and boy, do I have a lot to learn. It's a wonderfully fast-paced contest with constant strategy decisions to make. Really enjoyed the excellent low band condx. **PA2CW:** I'm grateful for all the great DX and expedition stations! **PJ4A:** Reunion of K4BAI, K1TO, and N4TO who op'd together as 8P9Z in 1999 WW CW. Great fun again this time, with surprisingly good condx on every band 160-10. Thanks to K2NG, W0CG, and KU8E for mega-help with logistics. **RA3XEV:** Good propagation on 21 MHz. Thank you for the interesting contest. Thanks to all the hams who worked with me. All the best and I hope that we shall meet in next year. **S58J:** Incredibly good conditions on 80m. Managed to work 15 new ones (HK0, TZ, BY, etc.) and heard many others. I feel bad not being able to set up special RX antenna. Thanks to all 260+ US stations who called me during the contest. **TO5X:** First CQ WW from a DX location (Martinique). Certainly will not be my last. What a surprise to get the 10 meter opening. Was never able to run down the pile-ups on 40 meters. Thanks to all for making my first DX operation a success. A special thanks to my host in Martinique, FM5BH and his family. Next year will be operating as C91UN from Mozambique. Cu in the pile-ups (op K5UN)! **VE3FDT:** I like it. I like it! My second time after a 25-year break from ham radio. More than doubled my last year's QSOs and my points are up five times from the last year. Hmm, imagine where I will be in a few more years, if this trend continues. **VK4AN:** Nice band condx considering! Wish more SA/Carib. stns would look for Pacific in the pile-ups! Tks to all stns worked.

VU2BGS: It was a pleasure to work the U.S. stns. Every one of them I called came back on the first try! Great antennas. They have to hear this small stn running 70w into verticals. **YB6LD:** HC8N have great ears. Worked them on 4 bands on unmatched antennas. Should be able to work them on 80 and 160 only no antennas there. **YW4D:** A blackout the first night made the contest hard, but had fun anyway. Thanks for the QSOs to everyone who called. Really cool being called by 5A7, 8Q7, and others; nice mults!

ZS4TX: First CQ WW CW from the new ZS9X contest station.

USA QRM

AE5X: Put up my 80 and 160m antennas during the contest. Highlight was working Hawaii on 160 and New Zealand on 80 from my New York QTH. **K2MFY:** At the start of the contest around midnight (EST), worked R1ANC in Antarctica on a dead 20m band. He was QRS at about 5 wpm. **K4XD:** Thanks all for QSOs. First CQ WW and goal was 50k points. Surprised with result! Lots of new band-entities for me on 80m and 40m. Can't wait for next year! **K6CU:** Those boys in zones "30-something" can really hear! Much tougher using 100w and vertical than being op at multi-multi, but lots of fun! **K6DBG:** My first CQ WW. Quite a challenge at QRP levels! **K7FL:** Excellent conditions on 80m from Pacific Northwest USA to Europe short path. **K8GL:** Great time! Thanx for contest! 5A7A was the "expedition of the year." **KD3TB:** Great contest, even with the poor band conditions. I was surprised to find an openings to Africa, Japan, and Asia. **KT1V:** Had the absurd goal of working most of the zones and 400 EU's on Top band. Managed most of the zones (barely) and 350+ EU's. I love the sunspot minimum! **N0XM:** I remain in awe of how well so many CW ops keep their "Q runs" so high. **N4GN:** Had a rotator failure and other issues, so decided at last minute to do 80-meter single band. Never expected to work 100 countries and 30 zones with an inverted Vee at only 80 feet! **N6NO:** Portable operation from Worcester, MA using 100w and G5RV at 25 ft. Just looking for new countries on 80m and found CQ WW to be a most productive opportunity with abundant world class stations and ops!

N8ET: Had another great time this year in the QRP class. Once again it looks like someone from the East Coast beat me! Already planning changes for next year. I am getting closer, hi! **NN0Q:** Sometimes I'm amazed at who I contact. Sometimes I'm amazed at who I can't contact. **W1NR:** Great contest. Great conditions. Too tired from climbing towers the day before. Poor field mouse got into the 160m shunt feed loading cap half hour into the contest. What a stench! **WTCT:** Thanks to Mike, NI7T, for letting us use his fine station to participate in this event. **W7DRA:** I monitored each transmission of the transmitter output power level with my Eico 723 power meter, adjusting output power with my antenna tuner to read on the power meter approximately 95 watts single 211 final amplifier. Another thing, please don't change the rules! **W7GH:** My first DX contest. Great fun and many new DXCC entities, even with just a few hours and 12w to a vertical at the bottom of the sunspot cycle. **W7IZL:** Poor band conditions but a lot of fun! **W7SW:** Excellent! Mni tnx gang! **W8GOC:** Nice to hear African stations on 10m. **W8QZA:** I put up a new Butternut HF-2V vertical antenna about a week before this contest to use on 80 meters. It turned out to be a huge improvement over my old DX-1b trap dipole. With QRP power, I was able to work 19 countries in 13 zones from the West Coast on 80m. That is more than I have worked over the last 15 years using my DX-1b!

W9MS: For a sunspot cycle low, conditions were very good from the Midwest! **W9RE:** Really great to work so many multipliers! **WA1FCN:** Wow what a pleasant surprise 40 meters turned out to be. Even beat my New England effort for 40 meter low power. **WA5SOG:** Great time in a great contest. Even had a small 10m opening! **WA7NB:** First time on from 7-land. Very different propagation especially on 7 MHz. **WB0CW:** Lots of good signals and lots of QRMs. First WW in a while. New antennas, new call, and a little bit of extra energy, but father time marches on. **WB2WPM:** Nice to see some openings on 10m. **WB6JJ:** This was my first time in real CW contest. Whew. It was all search and pounce. Jerry, K6III, stopped by for a while Saturday afternoon. Thanks, Jerry. I could have used a second Yagi or a SteppIR antenna when stations both east and west were on at the same time. It would have saved some wear and tear on the rotor. Still, it was a lot of fun even with my long call. **WO7T:** So many nice African openings to the west even at sunspot minimum. Very exciting. **WR2G:** Poor cndx but still fun to play. **WX4G:** Great contest. Lots of stuff on 80 and 40!

(Continued on page 103)

NEW IC-2820H

NEW DUAL BANDER **D-STAR optional**

- 2M/70CM • 50/15/5W • 522 Memory Channels
- Optional DV/GPS (UT-123) • V/V, U/U, V/U
- SimultaneousRX • Removeable Magnetic Head



IC-7000

FOR THE LOVE OF HAM RADIO

HF+6M @ 100W, 2M @ 50W, 70CM @ 35W • RX: 0.030–199.9MHz* • DSP²-Dual DSP Processors • Digital IF Filters • Twin Pass Band Tuning • MNF² (Dual Manual Notch Filters)



IC-706MKIIIG

HF PERFORMANCE, MOBILE SIZE!

HF²+6M @ 100W, 2M @ 50W, 70CM @ 35W • RX: 0.030–199.9, 400–470MHz* • All Mode, Full Duty Cycle • 99 Alphanumeric Memories • CTCSS Encode/Decode with Tone Scan • Built-in DSP



IC-703 PLUS

HF + 6M QRP TRANSCEIVER

HF + 6M @ <10W • RX: 0.030–60.0MHz* • DSP Auto Notch and Noise Reduction • Quick Power Set Function • 105 Alphanumeric Memories • Built-in Antenna Tuner



ID-1

D-STAR ready

DIGITAL OR WORLD CLASS ANALOG

23CM @ 10W • RX: 1240–1300MHz* • 128kbps, Digital Voice, Analog Voice (FM) • Wireless Internet/Network Capable • USB port • Digital Callsign & Digital Code Squelch



ID-800H

D-STAR optional

GO DIGITAL ON 2M & 70CM!

2M @ 55W/70CM @ 50W • RX: 144–148, 420–450MHz* • Analog/Digital Voice & 1kbps Data • Callsign Squelch • CTCSS & DTCS Encode/Decode w/Tone Scan



IC-2200H

D-STAR optional

2M @ 65W • RX: 118–174MHz* • 207 Alphanumeric Memories • Optional Digital Voice, Data & Callsign Squelch • CTCSS & DTCS Encode/Decode w/Tone Scan • WX Alert



IC-208H

COMPACT DUAL BAND WITH OPTIONAL REMOTE HEAD

2M@55W/70CM@50W • WideRX: 118–173, 230–549, 810–999MHz* • Wide/Narrow Band Switchable • 512 Alphanumeric Memory Channels • Selectable Display Color



IC-V8000

LET YOUR SIGNAL BE HEARD!

2M@75W • RX: 136–174MHz* • DMSScanning • CTCSS Encode/Decode with Tone Scan • Weather RX Scan with Alert • 200 Alphanumeric Memories



Number groups after call letters denote following: Band (A = all), Final Score, Number of OSOs, 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.)

2006 CW RESULTS

SINGLE OPERATOR

NORTH AMERICA

UNITED STATES

K5ZD/I	A	8,188,066	4120	159	540	K2CS	*	108,100	222	55	133	W3EQ	*	116,470	220	57	133	A3AV/A4	*	14,259	66	39	58	K4KSR	*	32,994	122	50	91	
W1KM	"	5,647,740	3346	143	452	W2CVW	*	89,294	188	59	138	K3GHH	*	106,752	214	52	140	K4OH	*	12,348	132	58	89	K3MZ/4	*	31,784	113	36	80	
NN1N	"	4,680,368	2784	148	468	K2YLH	*	52,614	172	51	20	W6AN/3	*	87,271	174	56	141	WA4GLH	*	6,348	70	31	38	K4BX	*	27,438	101	38	64	
K1ZZ	*	4,669,509	2524	151	512	A1I21	*	48,848	163	44	98	K3CB	*	84,224	264	66	158	N4UH	*	2,880	34	10	26	AC4PO	*	23,598	88	36	78	
K1DG	*	4,258,200	2629	135	465	W2A2MCR	*	44,330	135	52	103	N3XL	*	71,445	197	56	109	K4FJ	21	276,048	728	28	114	W4AOSD	*	16,095	76	31	56	
W1WEF	*	3,693,377	2379	133	444	W2A2BMH	*	34,036	115	47	87	W3DQN	*	70,281	180	60	111	K4RV	*	57,057	143	30	113	W4UDX	*	13,778	74	28	55	
K02M/1	*	3,178,916	2142	131	410	W2DX	*	31,030	106	32	75	N3ZK	*	26,536	143	35	72	K4SN	*	24,510	144	23	63	K4KPG	*	12,960	73	37	53	
W1UK	*	2,405,550	1517	127	426	W2CQC	*	459	11	6	11	AD8/J3	7	15,378	87	16	50	K4NNX	*	50,692	196	24	92	W1WTG/4	*	12,351	61	36	48	
W1AO	*	2,192,634	1494	122	421	W2CC	*	459	11	6	11	AD8/J3	7	15,378	87	16	50	W4NZ	7	189,645	550	33	108	K4FTO	*	11,703	71	35	48	
K1NO	*	1,492,598	1234	111	355	W2LQ	*	28,600	120	52	78	N9GG/3	*	6,090	56	26	44	W4P	*	1,8	124,248	491	26	98	W4ZPR	*	10,684	65	23	46
W1CSM	*	1,252,504	991	114	359	W2LX	*	21,576	97	33	60	WA3OFF	*	2,652	30	14	25	NF4A	*	11,984	77	14	42	N4V	*	9,384	54	27	42	
W1ZT	*	785,260	738	106	289	W2BAV	*	24	2	2	2	K7Y/4	A	4,076,982	2768	130	416	K4KS1	*	15,323	100	16	61	W4GFSN	*	5,440	98	32	53	
K1BV	*	711,095	679	91	294	W2AV	*	2,014	29	16	22	K7Y/4	A	4,076,982	2768	130	416	W4GFSN	*	4,437	54	34	53	K4AKD	*	4,505	38	25	28	
K5MA/1	*	488,874	624	68	229	W2AV	*	107,991	342	24	93	K2MFY	14	155,084	419	30	2	N2Y0/4	*	3,776,208	2681	130	391	W4BGC	*	3,068	45	20	32	
N3CKJ/1	*	484,068	588	82	239	W2AV	*	101,010	331	25	86	K2RAA	*	3,163,320	2147	127	413	W4ATL	*	10,805	62	16	53	K4E4C	*	2,378	68	34	48	
W1FM	*	3,693,377	2379	133	444	W2AVQV	*	6	1	1	1	K2MFY	14	155,084	419	30	2	N2Y0/4	*	3,776,208	2681	130	391	K4OOL	*	1,419	26	19	24	
K02M/1	*	3,178,916	2142	131	410	W2AVQV	*	1,740	52	18	87	W2AV	*	2,467,338	1605	137	436	*W3AU/4	A	1,487,024	1101	118	379	W4TMM	*	222	46	18	19	
W1UK	*	2,405,550	1517	127	426	W2AVQV	*	1,740	52	18	87	W2AV	*	2,204,990	1361	144	478	*W3AU/4	A	1,487,024	1101	118	379	W5BNMZ/4	*	100	15	9	10	
W1AO	*	2,192,634	1494	122	421	W2AVQV	*	1,740	52	18	87	W2AV	*	1,925,465	1392	139	396	*N4YDU	*	1,426,230	1192	110	367	W4IX	28	23,946	128	21	57	
K1NO	*	1,492,598	1234	111	355	W2AVQV	*	1,740	52	18	87	W2AV	*	1,724,472	1236	131	426	*W2W/4	3.5	91,839	298	27	94	W4IWL	*	9,100	71	17	33	
W1CSM	*	1,252,504	991	114	359	W2AVQV	*	1,740	52	18	87	W2AV	*	1,270,876	905	125	429	*W0AH/4	*	817,472	797	106	318	W4W	*	8,896	60	26	12	
W1ZT	*	785,260	738	106	289	W2AVQV	*	1,740	52	18	87	W2AV	*	1,097,550	888	105	345	*AA4FU	*	676,940	684	92	282	W4W	*	576	17	5	11	
K1BV	*	711,095	679	91	294	W2AVQV	*	1,740	52	18	87	W2AV	*	1,097,550	888	105	345	*AA4FU	*	676,940	684	92	282	(OP: K4W4)	*	1,419	26	19	24	
K1MV	*	488,874	624	68	229	W2AVQV	*	1,740	52	18	87	W2AV	*	1,097,550	888	105	345	*AA4FU	*	676,940	684	92	282	(OP: K4W4)	*	1,419	26	19	24	
K1MV	*	488,874	624	68	229	W2AVQV	*	1,740	52	18	87	W2AV	*	1,097,550	888	105	345	*AA4FU	*	676,940	684	92	282	(OP: K4W4)	*	1,419	26	19	24	
K1MV	*	488,874	624	68	229	W2AVQV	*	1,740	52	18	87	W2AV	*	1,097,550	888	105	345	*AA4FU	*	676,940	684	92	282	(OP: K4W4)	*	1,419	26	19	24	
K1MV	*	488,874	624	68	229	W2AVQV	*	1,740	52	18	87	W2AV	*	1,097,550	888	105	345	*AA4FU	*	676,940	684	92	282	(OP: K4W4)	*	1,419	26	19	24	
K1MV	*	488,874	624	68	229	W2AVQV	*	1,740	52	18	87	W2AV	*	1,097,550	888	105	345	*AA4FU	*	676,940	684	92	282	(OP: K4W4)	*	1,419	26	19	24	
K1MV	*	488,874	624	68	229	W2AVQV	*	1,740	52	18	87	W2AV	*	1,097,550	888	105	345	*AA4FU	*	676,940	684	92	282	(OP: K4W4)	*	1,419	26	19	24	
K1MV	*	488,874	624	68	229	W2AVQV	*	1,740	52	18	87	W2AV	*	1,097,550	888	105	345	*AA4FU	*	676,940	684	92	282	(OP: K4W4)	*	1,419	26	19	24	
K1MV	*	488,874	624	68	229	W2AVQV	*	1,740	52	18	87	W2AV	*	1,097,550	888	105	345	*AA4FU	*	676,940	684	92	282	(OP: K4W4)	*	1,419	26	19	24	
K1MV	*	488,874	624	68	229	W2AVQV	*	1,740	52	18	87	W2AV	*	1,097,550	888	105	345	*AA4FU	*	676,940	684	92	282	(OP: K4W4)	*	1,419	26	19	24	
K1MV	*	488,874	624	68	229	W2AVQV	*	1,740	52	18	87	W2AV	*	1,097,550	888	105	345	*AA4FU	*	676,940	684	92	282	(OP: K4W4)	*	1,419	26	19	24	
K1MV	*	488,874	624	68	229	W2AVQV	*	1,740	52	18	87	W2AV	*	1,097,550	888	105	345	*AA4FU	*	676,940	684	92	282	(OP: K4W4)	*	1,419	26	19	24	
K1MV	*	488,874	624	68	229	W2AVQV	*	1,740	52	18	87	W2AV	*	1,097,550	888	105	345	*AA4FU	*	676,940	684	92	282	(OP: K4W4)	*	1,419	26	19	24	
K1MV	*	488,874	624	68	229	W2AVQV	*	1,740	52	18	87	W2AV	*	1,097,550	888	105	345	*AA4FU	*	676,940	684	92	282	(OP: K4W4)	*	1,419	26	19	24	
K1MV	*	488,874	624	68	229	W2AVQV	*	1,740	52	18	87	W2AV	*	1,097,550	888	105	345	*AA4FU	*	676,940	684	92	282	(OP: K4W4)	*	1,419	26	19	24	
K1MV	*	488,874	624	68	229	W2AVQV	*	1,740	52	18	87	W2AV	*	1,097,550	888	105	345	*AA4FU	*	676,940	684	92	282	(OP: K4W4)	*	1,419	26	19	24	
K1MV	*	488,874	624	68	229	W2AVQV	*	1,740	52	18	87	W2AV	*	1,097,550	888	105	345	*AA4FU	*	676,940	684	92	282	(OP: K4W4)	*	1,419	26	19	24	
K1MV	*	488,874	624	68	229	W2AVQV	*	1,740	52	18	87	W2AV	*	1,097,550	888	105	345	*AA4FU	*	676,940	684	92	282	(OP: K4W4)	*	1,419	26	19	24	
K1MV	*	488,874	624	68	229	W2AVQV	*	1,740	52	18	87	W2AV	*	1,097,550	888	105	345	*AA4FU	*	676,940	684	92	282	(OP: K4W4)	*	1,419	26	19	24	
K1MV	*	488,874	624	68	229	W2AVQV	*	1,740	52	18	87	W2AV	*	1,097,550	888	105	345	*AA4FU	*	676,940	684	92	282	(OP: K4W4)	*	1,419	26	19	24	
K1MV	*	488,874	624	68	229	W2AVQV	*	1,740	52	18	87	W2AV	*	1,097,550	888	105	345	*AA4FU	*	676,940	684	92	282	(OP: K4W4)	*	1,419	26	19	24	
K1MV	*	488,874	624	68	229	W2AVQV	*	1,740	52	18	87	W2AV	*	1,097,550	888	105	345	*AA4FU	*	676,940	684	92	282	(OP: K4W4)	*	1,419	26	19	24	
K1MV	*	488,874	624	68	229	W2AVQV	*	1,740	52	18	87	W2AV	*	1,097,550	888	105	345	*AA4FU	*	676,940</										

*W6/VK2IIMM	*	199,090	395	83	132	| K8AB	*	86,631	218	60	141	KL2R	*	60,162	407	37	37	(OP: N1TX)	J79Z	A	DOMINICA	SOUTH AFRICA							
*N6YEU	*	184,868	320	76	150	| *W8IDM	*	85,176	220	47	109	AL1G	*	25,604	346	19	18	ZS4TX	A	7,480,125	4688	138	411						
*W6RFF	*	177,425	319	83	150	| *K8BM	*	46,620	145	51	97	NL7G	3.5	50,554	533	21	25	ZS3NN	*	1,274,616	1601	75	206						
*N6MU	*	158,650	322	63	127	| K8LY	*	39,615	151	44	95	KL7RA	1.8	13,720	237	14	14	ZS1EL	*	1,058,955	1390	80	231						
*W6KY	*	108,501	234	63	109	| *N8UZE	*	35,235	113	47	88							*ZS6C	A	174,796	410	57	121						
*NT6AA	*	106,738	266	63	103	| N8R	*	32,508	123	48	81							*ZS4U	28	89,247	511	17	54						
*AA6EE	*	98,919	270	58	92	| *N8EW	*	32,412	114	38	73							*ZS6CCW	21	238,689	836	25	74						
*N6EM	*	90,068	222	74	104	| *N8XX	*	31,620	129	48	75	*V26K	A	7,897,650	5843	136	419	ZS4JAN	7	253	19	4	7						
*W6ZL	*	73,710	179	68	94	| *K9DRB	*	30,738	107	36	73																		
*K6CU	*	54,425	138	75	100	| *K8VUS	*	16,926	78	31	60																		
*W6Y1S	*	51,101	208	56	81	| *K3X0/8	*	10,850	61	27	43																		
*W2WB/6	*	33,000	115	54	71	| *N8KV	*	6,254	45	19	34	C6ART	A	1,768,576	2506	91	246	ZT2T	28	1,197	24	5	14						
*K06X	*	26,481	174	36	55	| *N8OH	*	5,858	57	23	85	*C6AQO	A	2,499,784	2970	104	288	(OP: N3DX)											
*K6CSL	*	24,645	117	43	50	| *W8NDG	*	5,567	63	23	58	*C6ATA	7	1,137,528	3237	32	116	(OP: ND3F)											
*N6GL	*	17,630	81	38	44	| *A8FC	*	1,026	41	26	31																		
*AD6JZ	*	13,013	103	38	39	| *K9CRU	*	100	67	31	43																		
*W6A8B	*	9,900	68	28	32	| *K9BMM	7	7,250	76	17	41																		
*K06ES	21	31,450	162	23	51	| *K8DO	3.5	33,264	185	20	68																		
*W6QE	7	15,549	103	25	46	| *W8GF	*	29,370	127	26	67																		
*KU6J	*	4,961	59	16	25	| *KD8AUQ	*	8	4	2	2																		
*N6NO	3.5	14,740	78	12	55																								
*NT6K	1.8	812	62	7	7																								
K8AI/7	A	1,733,420	1452	137	315	W9RE	A	4,391,590	2781	145	457	W9QP	*	1,143,870	956	116	339	8P6SH	7	41,832	207	19	65	6Y1V	7	963,434	2678	35	114
K4UJ/7	*	1,524,240	1261	138	326	K9MA	*	46,614	520	92	232	V31XX	A	2,835,280	3122	117	298	XE1NTT/2	A	2,674,032	3538	114	234	6Y3R	3.5	590,677	1951	26	101
N7CW	*	1,283,412	960	12	365	K9CS	*	372,836	446	99	233																		
K7ZZ	*	939,064	1219	113	215	K9OM	*	354,024	462	81	217																		
K07X	*	753,130	722	111	287	W79U	*	309,430	228	85	205																		
K7BG	*	705,364	728	122	266	W9EW	*	191,840	343	56	162																		
K7ZA	*	543,078	627	110	229	N9WKW	*	151,048	300	73	166	*VP9I	1.8	89,397	691	12	51	*H1R1TF	A	81,144	387	56	70						
W8AEF/7	*	406,585	491	114	235	K9JWI	*	67,800	172	46	104	*HR2DMR	*	19,936	246	29	27	*HR2DMR	A	62,040	305	41	79						
W7YS	*	292,098	426	84	183	W9VA	*	58,672	154	56	96																		
N7BF	*	291,014	499	76	151	W9MWS	*	43,582	151	49	105																		
NW7E	*	259,860	316	107	197	W3DH/D9/	*	25,935	101	37	68																		
W7TTE	*	250,955	385	87	178	W9AYW	*	3,432	35	23	29	V01AAM	A	6,750,224	4426	132	466	XE1MM	A	2,677,624	2584	93	201						
WA7NB	*	247,213	522	92	141	N9RV	14	962,544	1944	39	137	V31XX	A	2,835,280	3122	117	298	XE1MM	*	1,527,624	2584	93	201						
K7EG	*	221,096	410	69	163	N9CK	*	536,284	1110	39	140																		
K7ABV	*	199,840	351	78	162	K9PPY	*	247,940	566	35	126																		
N6W7/W7	*	174,454	306	85	153	N9RR/9	*	236,100	592	35	115																		
W6AEA/7	*	165,640	315	69	133	K9CAN	*	114,942	885	32	109																		
K7FE	*	160,868	252	101	161	K9CLJ	7	120,096	331	33	108	*VP9I	1.8	89,397	691	12	51	*XE1SWAO	A	226,772	750	52	120						
NE9Z/7	*	159,329	278	86	197	K2AAW/9	3.5	36,921	185	23	70																		
K5TT	*	129,503	272	68	125	K9E9J	1.8	14,300	105	18	47	V01AAM	*	698,040	1176	79	201	*XE1Y15	A	226,639	1120	43	66						
W7SYJ	*	99,593	243	62	101	K9AY	*	9,856	76	19	45																		
W7HT	*	84,809	199	52	102	*N4TZ/9	A	1,475,591	1086	128	381	V2YTT	A	6,098,131	4521	129	430	*H7A	7	180,136	990	22	66						
N1TR	*	60,489	166	55	86	*K9IE	*	302,637	412	81	200	V2TDT/2	*	1,861,090	2088	103	282	*H7A	7	91,335	578	20	59						
K7RX	*	53,213	152	44	83	*W9A9Z	*	296,408	424	83	233	V01AAM	*	851,136	1020	86	286	KP4JRS	7	25,896	127	21	57						
KC7UP	*	27,025	101	41	74	*W9OA	*	284,665	412	86	203	V2E2ZT	*	1,861,090	2088	103	282	*WP4BH	A	26,775	117	37	68						
WQ70	*	21,311	96	41	60	K9NMS	*	270,322	397	85	198	V2E2WQ	*	1,565,262	1654	83	211	*NP3CW	*	17,336	321	32	56						
K7AO	7	22,666	715	36	106	*W9LYA	*	21,012	104	42	61	VY2ZM	3.5	931,520	2508	33	109	HP1/D7A/	14	1,542,160	3452	37	148						
W9PL/7	*	10,449	89	14	29	*W9RFB/9	*	16,867	87	33	68	VY2ZM	*	1,523,200	2508	33	109	HP1AC	A	292,028	643	69	147						
N7UA	3.5	189,552	567	35	97	*A9D9Y	*	5,400	50	18	36	VY2ZM	*	1,523,200	2508	33	109	*HP3XUG	*	125,560	362	58	114						
A4AJV	*	80,772	334	26	80	*N9LYE	*	3,036	31	20	44	VY2ZM	*	1,523,200	2508	33	109	V2PMDG	A	4,442,516	3988	123	358						
K7WJ	21	31,913	26	14	26	K9WLNQ	*	2,862	45	17	37	V3E3C	A	5,204,400	3639	141	459	ST. KITTS & NEVIS											
N7WD	14	125,952	391	32	92	*M0SXW	A	462,055	405	101	204	V3E3R	A	6,310,580	1320	79	151	*E9/OL8R	A	3,126,214	2833	86	300						
K4T	*	83,269	317	27	81	*W9ETT	*	355,432	492	99	200	V3E5U	1.8	15,806	267	11	21	*G9Z5S	A	83,520	248	49	96						
*A7FK	7	22,120	128	27	43	*AC0W	*	276,710	410	88	207	V3E5X	*	4,949,196	2462	137	451	IVORY COAST											
*N4TRF	*	17,820	69	18	28	*K6XTD/0	*	274,176	404	98	174	V3E6PKP	A	55,146	373	36	42	CT3KN	*	5,336,100	4296	104	344						
AB7E	3.5	24,180	137	23	62	*K9OYH	*	245,778	333	81	193	V3E6KC	3.5	203,750	1293	95	302	CT3KN	*	5,336,100	4296	104	344						
*W7RH	1.8	3,813	60	16	25	*K9OSS	*	178,808	331	81	167	V3E6VJ	14	603,735	1604	36	129	CT3KN	*	195,762	456	42	116						

RX0OA	*	171,995	545	67	138	*J13KHN/1	*	130,935	274	80	123	*JA5COH/4	*	37,210	153	54	68	TAJIKISTAN	"	2,641,584	3544	123	405	
RU0QJD	*	151,360	334	68	152	*J1HFNU	*	124,584	291	69	110	*JH4OYA	*	585	14	9	12	EY7AF	7	18,056	94	15	59	
RW0CF	*	131,689	287	89	150	*J1Z1S	*	121,737	294	78	109	*JN4MMO	14	181,740	559	37	93	*EY8DQ	14	14,805	133	14	33	
RW0LQ	*	126,420	267	81	129	*JR1RKA	*	116,440	322	44	98	*JR4FLW	*	6,077	43	23	36	(OP: EY8DQ)						
UA0SRR	*	94,772	335	55	117	*J1XIPU	*	116,280	279	68	112	*JR4URW	7	16,872	120	21	36	THAILAND						
RU0SN	*	84,194	201	49	129	*JA1BPN	*	106,066	234	70	111	*JA5RB	A	28,482	128	43	58	HS0AC	A	747,520	1429	70	186	
UA0FGZ	*	66,654	265	65	96	*JF1FEV	*	98,660	240	67	103	*JRSHXU	21	4,182	42	17	24	HS0DZY	*	124,360	578	102	254	
RA0SS	*	42,720	96	33	70	*JO1OZI	*	93,229	215	78	110	*J5ECZ	14	3,348	34	24	30	HS0ZDZ	21	72,114	303	28	74	
UA0CW	*	21,344	85	53	63	*JA1MVK	*	70,992	258	57	96	*J5ECZ	14	3,348	34	24	30	HS0ZF1	14	220,500	1022	33	92	
RW0BG	*	5,768	57	21	35	*JA1WPM	*	61,776	180	57	87	*JA6OLZ	A	429,336	667	101	166	HS0ZEE	A	18,165	103	38	67	
UA0SC	*	2,835	32	21	24	*JG10WV	*	61,722	162	66	96	*JA6BZL	7	149,842	465	34	120	*HS8KG	A	2,344	34	20	26	
RU0AE	*	2,280	23	15	23	*JA1RRA	*	60,536	184	68	93	*JA6CCE	3.5	187,416	718	31	83	*E21IZC	14	27,816	294	24	52	
RU0AW	7	192,823	664	33	98	*7NA4CQ	*	54,500	207	51	74	*JA6WVF	28	17,892	181	26	45	LZ9R	A	1,609,498	2122	101	385	
RU0LL	3.5	76,160	585	28	52	*JA1CPZ	*	54,306	168	51	75	*JA6WQF	A	501,732	657	109	199	(OP: LZ3YY)						
RK00UT	A	795,438	1240	97	224	*JA1IE	*	51,614	173	58	73	*JA6AVT	*	88,146	213	64	102	LZ1DQ	*	385,329	904	79	232	
RA0AQL	*	368,894	612	72	184	*JA1BUJ	*	49,288	160	55	67	*JA1H0FQ	A	14,026	100	32	98	LZ5XO	*	381,420	859	92	234	
RW0BA	*	343,914	577	76	182	*JA1FRO	*	40,165	130	65	80	*JA1H0FQ	A	14,026	100	32	98	LZ2UZ	*	260,633	767	68	195	
UA0ABB	*	310,960	550	55	175	*J1KEOG	*	32,582	143	49	58	*JA1H0FQ	A	14,026	100	32	98	LZ7H	*	229,992	657	59	200	
UA0CNX	*	302,800	969	74	124	*JP1SRG	*	30,847	121	44	65	*JA1H0FQ	A	14,026	100	32	98	LZ1KY	*	204,800	684	60	196	
RV0AL	*	251,812	603	62	132	*JA1HJG	*	26,299	124	41	50	*JA6FWF	21	123,168	504	31	65	LZ1O	*	79,712	347	41	147	
UA0SDX	*	171,893	409	68	149	*J1NSR	*	24,610	122	45	62	*JA6WW	14	11,989	126	25	40	LZ2HN	*	64,605	291	45	132	
RK0SK	*	122,111	301	64	123	*JA1BYV	*	22,860	113	34	56	*JA7DLE	A	1,570,464	1791	113	229	LZ2DB	*	46,494	178	48	114	
UA0FDX	*	47,334	200	52	86	*JE1RK	*	21,805	124	36	53	*JA7IC	A	1,153,068	1260	126	200	LZ2AA	*	33,082	150	44	95	
UA0ZS	*	46,567	248	44	57	*JA1TANF	*	21,216	107	37	65	*JA7KMB	*	753,651	987	119	190	LZM2CNC	A	2,663,024	2457	133	339	
RU0AT	*	20,817	127	23	58	*JA1EMO	*	17,982	109	39	42	*JA7COI	*	387,090	525	114	192	(OP: G4ZFE)						
UA0ONV	*	12,168	98	32	46	*JA1WHG	*	17,017	91	34	43	*JA7BME	*	274,540	527	91	121	UZBEKISTAN						
UA0WLF	28	10	4	4	4	*JA1BN	*	15,812	110	29	38	*JA7WM	*	64,124	179	64	100	WEST MALAYSIA						
RA0AY	21	21,889	549	26	73	*JA1WXO	*	13,962	79	34	44	*JA7ZP	*	11,989	126	25	40	9M2CNC	A	2,663,024	2457	133	339	
UA0LQO	14	25,188	138	30	64	*7NA4CLO	*	13,330	81	30	52	*JA7WD	28	112	9	8	9M2T0	A	416,928	946	88	170		
RN0N	*	12,424	89	23	45	*JM1KNI	*	10,659	75	24	27	*JA7AH	14	96,490	572	24	48	9M2P5	*	57,798	330	52	65	
UA0SAD	3.5	19,116	167	17	42	*J01SM	*	6,420	66	25	35	*JA7TSS	*	4,416	65	11	13	9M2MT	*	30,996	162	41	67	
RW0DAW	*	15,963	184	14	37	*JC1AC	*	5,429	49	26	35	*JA7AKH	14	1,570,464	1791	113	229	EUROPE						
RK0UN	1.8	180	21	8	7	*J1W1WU/1	*	4,944	48	23	25	*JA7KMB	*	3,822	61	17	25	ALAND ISLANDS						
ASiATIC TURKEY																								
YM2W	28	159,732	563	25	77	(OP: OK1MU)	*	100,200	220	57	73	*JA1VUH	*	4,246	107	37	65	OH0Z	21	366,400	1370	34	126	
TA3DD	14	532,280	1521	32	108	(OP: KM900)	*	471,616	326	55	76	*JA1VW	*	1,008,520	1076	128	252	(OP: OH1JT)						
TA3YJ	7	5,555	13	4	11	*J1P1O16	*	264	15	12	10	*JA1VW	*	3,379,220	500	102	195	OH0X	7	647,898	2377	36	130	
TA3D	1.8	89,148	489	10	59	*JG2TKH/1	28	3,198	40	18	23	*JA1VW	*	8,772	80	24	27	*OH01	3.5	325,038	1853	31	111	
TA2RC	*	7,234	392	11	55	*J1ALU/1	*	5,78	15	6	11	*JA1VW	*	12,766	86	31	48	*W9M2TO	A	416,928	946	88	170	
AZERBAIJAN																								
4K9W	A	876,708	980	96	247	(OP: 9MF2BZL)	*	1,021,000	1450	105	195	*JA1VW	*	5,011,165	741	85	174	OH09	7	21,172	718	24	97	
4K6DI	3.5	21,320	137	14	51	(OP: KM900)	*	970,335	1388	107	190	*JA1VW	*	10,008,520	1076	128	252	*OH09	7	325,038	1853	31	111	
XU7MWA	A	2,255,591	2604	120	283	(OP: KM900)	*	1,076,100	1450	105	195	*JA1VW	*	1,008,520	1076	128	252	*OH09	7	21,172	718	24	97	
*XU7ADE	14	95,760	447	31	89	(OP: E21EICL)	*	1,076,100	1450	105	195	*JA1VW	*	1,008,520	1076	128	252	*OH09	7	21,172	718	24	97	
CHINA	BY1QH	A	91,648	431	42	86	(OP: 9MF2BZL)	*	10,266	94	25	33	*JA1VW	*	1,19,325	365	32	97	*JA1VW	*	1,008,520	1076	128	252
BA4ALC	7	6	1	1	1	*JA1VW	*	1,02,111	21	10	12	*JA1VW	*	1,008,520	1076	128	252	*JA1VW	*	1,008,520	1076	128	252	
BA4DW	1.8	1,785	100	8	9	*JA1VW	*	704	21	10	12	*JA1VW	*	1,008,520	1076	128	252	*JA1VW	*	1,008,520	1076	128	252	
*BD4ZL	A	34,596	227	45	79	*JA1SPY	*	1,08,164	21	10	12	*JA1VW	*	1,008,520	1076	128	252	*JA1VW	*	1,008,520	1076	128	252	
*BD1BV	*	9,536	94	28	36	*JF2NNM	*	1,02,200	336	55	76	*JA1VW	*	1,008,520	1076	128	252	*JA1VW	*	1,008,520	1076	128	252	
*BD2BT	*	8,694	85	32	37	*JA1VW	*	1,02,600	336	55	76	*JA1VW	*	1,008,520	1076	128	252	*JA1VW	*	1,008,520	1076	128	252	
*BD1CAL	*	960	36	13	17	*JA2CMH	*	1,02,600	336	55	76	*JA1VW	*	1,008,520	1076	128	252	*JA1VW	*	1,008,520	1076	128	252	
*BD5WW	21	110,565	690	27	64	*JF2BDM	*	1,03,920	326	56	112	*JA1VW	*	1,008,520	1076	128	252	*JA1VW	*	1,008,520	1076	128	252	
*BD4SQ	*	104,272	511	30	68	*JA2FIU	*	1,05,100	265	73	97	*JA1VW	*	1,008,520	1076	128	252	*JA1VW	*	1,008,520	1076	128	252	
*BD46D	14	54,008	421	28	58	*JA2HV	7	1,01,620	312	31	80	*JA1VW	*	1,008,520	1076	128	252	*JA1VW	*	1,008,520	1076	128	252	
*BD0AAI	*	28,800	284	15	45	*JA2PFO	*	3,456	48	16	48	*JA1VW	*	1,008,520	1076	128	252	*JA1VW	*	1,008,520	1076	128	252	
*BD41TN	*	6,248	103	16	28	*JA2XWS	3.5	9,108	144	28	42	*JA1VW	*	1,008,520	1076	128	252	*JA1VW	*	1,008,520	1076	128	252	
GEORGIA	4L8A	14	1,168,816	2568	37	139	*JA2VZL	*	138,572	300	73	129	*JA1VW	*	1,008,520	1076	128	252	*JA1VW	*	1,008,520	1076	128	252
HONG KONG	4L8A	14	1,168,816	2568	37	139	*JA2VZL	*	115,236	365	43	129	*JA1VW	*	1,008,520	1076	128	252	*JA1VW	*	1,008,520	1076	128	252
JV1SOC	A	2,599,324	2066	144	337	(OP: 9MF2BZL)	*	1,03,764	332	83	119	*JA1VW	*	1,008,520	1076	128	252	*JA1VW	*	1,008,520	1076	128	252	
JV1CKA	"	2,050,542	199	135	279	JG3EQP	*	61,053	209	60	81	*JA1VW	*	1,008,520	1076	128	252	*JA1VW	*	1,008,520	1076	128	252	
JV1JMK	*	671,060	94	22	125	JG3CTQ	14	64,234	186	38	119	*JA1VW	*	1,008,520	1076	128	252	*JA1VW	*	1,008,520	1076	128	252	
JV1SEK	*	60,404																						

*OK2BTJ	*	78,407	300	40	121	ES1GE	7	299,640	1091	35	130	RL3AF	*	171,080	505	52	183	RZ10M	*	5,324	50	17	27	*F6DDR	7	84,018	469	29	105			
*OK2PMA	*	77,200	319	37	156	*ES4MM	A	117,602	279	70	184	RX3RB	*	168,480	506	53	181	*UA4NU	*	1,612	28	12	19	*F5PHW	*	69,542	425	21	88			
*OK2BND	*	76,650	280	36	133	*ES7FU	*	78,384	317	41	143	*UA3QUO	*	163,350	337	73	197	*UA6LEX	*	624	25	8	16	*F9KP	*	64,363	378	22	86			
*OK1BLU	*	59,792	326	53	149	*ES4RD	14	140,722	513	31	111	RD3QJ	*	163,020	412	62	185	*UA9OC/P3	*	308	9	5	9	GERMANY	A	3,873,240	3449	141	439			
*OK1SAT	*	47,950	227	32	105	*ES5RY	7	271,755	1121	35	130	RW6BN	*	161,652	485	55	173	*RU4SU	7	325,480	1396	35	123	D3LYM	A	3,277,800	3097	122	418			
*OK5TM	*	39,785	171	36	73	*ES8DH	*	6,270	82	14	41	*UA6GC	*	155,949	486	56	173	*RW6FO	*	72,705	419	23	88	DJY1FK	*	3,277,800	3097	122	418			
*OK2BH	*	37,180	202	37	93	*ES1GF	3.5	49,588	589	13	64	*UA4AAC	*	154,921	521	51	170	*UA3RN	*	65,461	329	28	93	DLM5Y	*	1,237,841	1578	107	366			
*OK2PV	*	31,488	145	41	82	*ES3RF	1.8	18,886	235	10	61	RN1NU	*	153,318	453	60	193	*UA6BFE	*	151,656	414	72	195	DL2DX	*	1,167,550	1164	128	347			
*OK2SWD	*	27,354	196	25	72	RD3A	A	4,414,660	3978	164	555	RU3DM	*	151,510	258	86	192	*RZ3VA	*	23,400	225	14	64	DJ6OT	*	1,107,634	1251	113	393			
*OK2AJ	*	24,400	226	17	57	(OP: OK2NN)	*	3,025,184	2705	150	514	*UA4LS	*	145,951	455	56	184	*RU4CO	*	13,317	132	16	53	DL8WEM	*	1,066,725	1234	108	323			
*OK1SRD	*	7,370	88	21	46	UA3DXD	*	2,146,504	2143	134	494	*UA4PJM	*	141,681	438	63	186	*RA3DTN	*	11,775	85	19	56	DL8DYL	*	990,080	1155	104	344			
*OK1FDR	21	288,673	772	35	128	RW6HX	*	9,325,184	2705	150	514	*UA3EAY	*	141,470	419	52	163	RW3XF	*	7,830	97	13	45	DL5WW	*	954,408	876	137	461			
*OK2N	*	203,840	579	36	124	UA1ANA	*	1,570,920	1901	126	394	*UA4UF	*	136,502	331	73	189	RX3XA	*	4,500	63	12	38	OK3KD	*	834,432	1176	96	328			
*OK1CZ	*	90,388	340	29	89	RW1ZA	*	1,430,788	1877	93	304	*UA4NC	*	127,573	495	43	150	*ZRA4G	3.5	88,230	661	20	82	DL5JS	*	812,160	1338	85	291			
*OK1ARO	*	14,586	93	22	44	RT3T	*	1,209,195	1685	117	390	*UA3VLO	*	127,387	363	49	190	*UA3VLO	*	59,856	530	18	68	DL0DA	*	795,132	979	114	354			
*OK1KZ	*	7,353	73	14	29	(OP: OK2CC2)	*	1,141,719	1303	116	315	*UA4QK	*	125,382	362	59	180	*UA4CC	*	48,048	458	17	67	(OP: DL1VLV)	*	1,030,000	1141	141	439			
*OK3C	14	287,313	950	36	123	UA3TCJ	*	1,141,719	1303	116	315	*RA3FH	*	120,560	303	68	152	*UA3WU	*	33,826	326	21	69	DJY1FK	*	3,277,800	3097	122	418			
*OK1FZM	*	208,998	681	34	119	RN6FA	*	993,352	1536	106	348	*RA3RZ	*	117,783	394	52	155	RW3WF	*	32,376	320	15	61	DJ6OZ	*	1,237,841	1578	107	366			
*OK1VD	*	199,479	666	35	126	RU3UR	*	796,876	1089	107	345	*UA3GQT	*	116,508	346	61	167	RZ3AMW	*	18,846	286	8	46	DL2DX	*	1,107,634	1251	113	393			
*OL5M	*	148,816	556	35	107	RV3FI	*	77,710	1427	87	328	*UA4FCO	*	107,885	472	34	151	*RN4AO	*	14,763	241	10	47	DL8DYL	*	1,066,725	1234	108	323			
*OK1KZ	*	7,353	73	14	29	(OP: OK1GK1)	*	743,906	1295	98	333	*UA3XAC	*	104,647	297	56	171	*UA6ATG	*	352	11	7	9	DL4ME	*	456,374	994	73	273			
*OK2PAE	*	77,652	391	24	84	UA6AF	*	566,100	863	101	232	*UA4SMS	*	102,483	359	50	127	*RA3UAG	1.8	29,888	406	9	55	DK0MN	*	421,064	834	68	224			
*OK1MMN	*	49,595	297	23	68	RK3ZK	*	535,946	1003	93	253	*RA3KOM	*	98,604	361	47	151	*RN4ACQ	*	23,380	285	12	58	(OP: DK3YD)	*	1,030,000	1141	141	439			
*OK1FRO	*	2,720	41	12	20	RA3RK	*	593,287	988	100	299	RW3WX	*	96,040	351	48	148	*RA3ZC	*	15,950	282	8	47	DKBFS	*	389,075	520	87	308			
*OK2WB	7	131,560	637	26	104	RN3BD	*	516,120	1163	72	258	RD3BE	*	94,810	239	51	139	RZ3AUL	*	14,931	193	10	53	DJ1WU	*	346,912	820	70	226			
*OK7FL	*	123,520	543	26	102	RA4PO	*	512,256	1075	92	276	RU3XY	*	93,548	457	35	147	*RN4AK	*	7,332	124	7	40	DL7AA	*	233,766	387	93	258			
*OK2BWC	*	12,264	97	19	37	UA1OM	*	507,000	984	87	288	*UA6HCA	*	91,500	358	56	127	*UA4SAW	*	6,125	91	9	40	DD4DA	*	546,390	848	87	303			
*OK1FH1	3.5	101,990	914	18	76	RX3AJ	*	41,565	819	93	292	*RA4LBS	*	85,008	304	47	137	DQ0EA	*	204,614	447	63	200	DK7AN	*	140,998	324	60	161			
*OK2HU	*	64,206	144	55	127	RZ3DA	*	395,409	552	103	296	*UA4PAY	*	84,972	292	58	161	FAROE ISLANDS	*	133,272	383	55	161	DL9ZE	*	139,104	441	41	172			
*OK2PWJ	*	58,222	559	16	70	RA3TT	*	386,568	699	83	229	*UA4WMA	*	84,778	432	43	151	OY1CT	A	967,208	2157	73	306	DL6UNF	*	785,391	123	86	303			
*OK2TRN	*	48,980	516	15	64	RW4AA	*	378,148	610	88	244	*RA3AGD	*	73,431	213	61	138	*Y4M	A	30,975	126	20	72	DJ6OZ	*	603,991	105	86	297			
*OK2BRA	*	41,470	548	12	53	RX1CD	*	371,007	724	70	281	*RA4AD	*	69,934	390	30	116	OY4M	A	9,200	133	20	72	DK0MN	*	421,064	834	68	224			
*OK1FOG	*	25,278	288	14	52	RZ3AV	*	339,264	662	80	262	*UA3AMZ	*	69,342	283	45	137	FINLAND	A	3,308,488	3173	120	434	DL8UNF	*	128,338	412	45	161			
*OL3X	1.8	28,535	438	10	55	UA3UJE	*	286,200	705	72	198	*RA3RJ	*	68,766	259	46	100	OH8X	A	3,308,488	3173	120	434	DL8LBR	*	72,743	205	55	132			
(*OK1FCK)	*	135,642	407	53	169	UA3DUJ	*	10,413	97	29	60	*RA3RL	*	63,040	179	58	129	OH5NE	*	32,820	1019	56	232	DL6HA	*	55,144	199	30	83			
*OK1MCW	*	26,118	82	18	39	RA3BZ	*	32,023	185	23	81	*RA1OJ	*	67,456	300	28	120	OH2BN	*	30,080	951	65	224	DL3Y4	*	53,793	130	30	83			
*OK2BWM	*	6,365	103	12	55	UA3RC	*	50,880	211	52	108	*RA1OJ	*	64,900	252	28	106	OH3MC	*	16,746	209	55	142	DL2RM	*	46,632	143	87	208			
*OK1UU	*	2,220	60	5	32	RX3WP	*	2,280	36	9	29	*RA3RJ	*	62,624	268	44	108	OH6DH	7	18,375	163	16	59	DK0SU	*	421,064	834	68	224			
DENMARK						DENMARK																										
OZ8SW	A	289,478	517	75	247	RJ3MW	*	1,221,832	1033	36	120	*RA6ATO	*	178,000	69	41	159	*RA6KMY	*	2,701	47	10	27	DR0X	21	287,430	921	34	109			
OZ7YL	21	11,158	82	18	39	RW4XW	*	32,023	185	23	81	*UA4AN	*	29,849	141	29	75	*RA3WV	21	14,938	115	18	58	DR0X	14	293,091	99	36	115			
OZ1D5K0N	3.5	302,617	1898	29	90	RA3DH	*	204,052	911	32	107	*UA3PDM	*	46,756	300	28	120	*RA3PDM	*	14,938	115	18	58	DR0X	14	293,091	99	36	115			
*SX5R	21	25,949	227	25	115	RW4AN	*	96,460	615	26	80	*RA4CDI	*	62,160	417	22	82	*UA4COL	*	1,222,222	204	17	55	DR0X	*	416,652	711	84	288			
						ENGLAND	*	7	251,430	802	37	137	RU3AA	*	122,832	1033	36	120	*RA6ATI	*	17,595	74	47	68	TM6X	A	4,597,263	3539	150	471		
G4BUO	A	4,608,468	3718	144	495	RN6FA	*	130,473	689	30	103	*RA3FJ	*	17,228	91	30	43	*FBPN	*	1,241,292	1777	104	332	TM6X	A	4,597,263	3539	150	471			
G3PJT	*	1,112,410	1316	99	331	UA6KD	*	62,830	461	26	77	*RA3SKV	*	16,728	91	30	43	*FBPN	*	1,241,292	1777	104	332	TM6X								

*DL1NE	*	70,336	277	37	120	*J43J	A	1,322,400	1751	106	369	(OP: DJ5JH)	*I2BDWH	*	224	10	5	9	*PAOCYIW	*	207,640	608	47	185	*SP2DKI	*	19,200	131	32	88
*DK5ZX	*	69,836	239	47	111								*IY4W	7	759,139	2380	37	142	*PA3DJY	*	152,453	557	48	155	*SP6GNU	*	18,696	99	35	79
*DL4NT	*	67,598	222	49	77	*SV1ENG	"	581,145	1812	65	200	(OP: DK2DQ)	*IV3AZV	*	100,551	614	25	96	*PC7CT	*	148,135	364	64	201	*SP9LAS	*	18,193	131	27	86
*DR0R	*	59,675	290	39	116	*SV3AVG	"	116,312	426	56	161		*IK3UNA	*	36,696	334	17	71	*PA0RRS	*	145,152	371	50	166	*SP9CXN	*	17,820	163	24	75
*DJ2FR	*	59,631	310	34	105	*SV1HEM	"	82,080	358	44	146		*IK2WXO	*	5,676	117	8	36	*PA0FAW	*	105,711	493	39	172	*SP7BDS	*	16,443	170	28	77
*DL3HSC	*	59,143	240	35	130	*SV3GKY	"	65,236	245	46	142		*IU1A	3.5	282,250	1488	27	98	*PE2JMR	*	74,048	298	38	140	*SP8NCI	*	15,219	85	30	59
*DK8AX	*	56,000	303	27	113													*PA0KHS	*	73,392	372	31	145	*SP2AF	*	13,500	64	37	63	
*DJ5GG	*	55,706	201	47	126								*I2BDVD	*	36,080	358	15	67	*PA0B	*	72,944	369	44	150	*SP5XOV	*	12,730	132	20	75
*DL5SVB	*	55,300	235	38	120	GU4YOK	1.8	198,900	1340	20	82		*IR5B	*	29,260	323	13	64	*PA5GU	*	63,640	213	42	106	*SP1DTG	*	10,560	54	32	48
*DL8UKE	*	52,416	157	62	94	*MU0FAL	3.5	74,534	719	14	69		*I23ESV	*	15,840	254	8	52	*PA3CDN	*	58,353	286	37	122	*SP7CHR	*	9,360	89	26	64
*DL3KVR	*	52,155	197	50	121								*I0YOV	*	12,638	165	12	59	*PA5TT	*	51,528	250	33	80	*SP1RWA	*	8,568	64	25	43
*DL1TS	*	50,058	229	32	130	HUNGARY							*I0WGX	*	10,422	186	8	46	*PC8E	*	50,622	277	33	110	*SP6BSL	*	7,668	50	25	29
*DJ6UP	*	49,478	247	39	104	HA3OU	A	713,780	1205	96	305		*I10XH	*	10,080	150	10	46	*PA4P5	*	49,345	232	35	104	*SP9KN	*	5,226	76	33	69
*DL9SUD	*	48,872	341	24	125	HA3OD	"	668,360	1204	80	261		*I20KMRH	1.8	20,340	356	8	52	*PA0WKS	*	44,515	267	40	105	*SP1VGL	*	3,780	30	19	26
*DL4KUG	*	48,763	231	27	116								*I4JEE	*	4,092	98	6	38	*PA0WKL	*	33,840	227	29	112	*SP8BWE	*	2,881	29	16	27
*DK50CE	*	48,516	285	33	123								*I2BDV	*	36,080	358	15	67	*PA0BWL	*	29,736	106	41	77	*SP9MAN	*	2,475	65	15	30
*DM5AA	*	47,256	150	41	91	HA8GY	7	72,125	292	25	100		*I23ESV	*	15,840	254	8	52	*PA4ZD	*	39,258	234	27	99	*SP5BYC	*	1,482	40	7	19
*DL11A	*	45,466	191	46	133								*I0YOV	*	12,638	165	12	59	*PA2CHM	*	13,224	65	25	29	*SP9DXD	*	1,160	17	13	39
*DL1DQW	*	44,820	198	46	120	HA3LI	3.5	93,744	609	21	87		*I10XH	*	10,080	150	10	46	*PA3CQW	*	42,526	115	35	59	*SP6XY	*	153	9	8	9
*DL6JAM	*	43,276	258	27	97	HA8LN	"	71,616	896	21	75		*I20KMRH	1.8	20,340	356	8	52	*PA0WKL	*	44,515	267	40	105	*SP1VGL	*	3,780	30	19	26
*DJ7LH	*	42,189	224	37	110	HA507PL	*	15,072	305	7	41		*I4JEE	*	4,092	98	6	38	*PA0WKL	*	33,840	227	29	112	*SP8BWE	*	2,881	29	16	27
*DL7BW	*	41,808	195	36	98	HA8VK	1.8	35,840	560	9	55		*I2BDV	*	36,080	358	15	67	*PA0BWL	*	29,736	106	41	77	*SP9MAN	*	2,475	65	15	30
*DJ4IC	*	40,890	180	49	125	*HA6NL	"	785,910	1463	87	315		*I23ESV	*	15,840	254	8	52	*PA4ZD	*	39,258	234	27	99	*SP5BYC	*	1,482	40	7	19
*DL8JDX	*	39,045	141	41	96	*HASLZ	"	695,198	991	95	296		*I0YOV	*	12,638	165	12	59	*PA2CHM	*	13,224	65	25	29	*SP9DXD	*	1,160	17	13	39
*DL1TPY	*	37,620	302	22	110	*HA7SBQ	"	321,354	703	69	228		*I10XH	*	10,080	150	10	46	*PA3CQW	*	42,526	115	35	59	*SP6XY	*	153	9	8	9
*DL5DXS	*	36,208	263	33	91	*HA1ZH	"	233,496	509	71	205		*I20KMRH	1.8	20,340	356	8	52	*PA0WKL	*	44,515	267	40	105	*SP1VGL	*	3,780	30	19	26
*DJ5UZ	*	33,205	207	35	110	*HA2MN	"	215,280	506	60	170		*I4JEE	*	4,092	98	6	38	*PA0WKL	*	33,840	227	29	112	*SP8BWE	*	2,881	29	16	27
*DA3T	*	33,201	229	26	93	*HA2ESM	"	163,418	587	43	159		*I2BDV	*	36,080	358	15	67	*PA0BWL	*	29,736	106	41	77	*SP9MAN	*	2,475	65	15	30
*DL6RBH	*	32,469	149	38	99	*HA8CQ	"	126,888	349	59	145		*I23ESV	*	15,840	254	8	52	*PA4ZD	*	39,258	234	27	99	*SP5BYC	*	1,482	40	7	19
*DL63G	*	32,334	130	34	68	*HA7LW	"	107,590	368	47	156		*I0YOV	*	12,638	165	12	59	*PA2CHM	*	13,224	65	25	29	*SP9DXD	*	1,160	17	13	39
*DF1MA	*	32,232	161	29	73	*HASX	"	75,463	237	55	138		*I2BDV	*	36,080	358	15	67	*PA0BWL	*	29,736	106	41	77	*SP9MAN	*	2,475	65	15	30
*DL7VRG	*	31,222	155	37	97	*HASVU	"	30,876	239	26	98		*I23ESV	*	15,840	254	8	52	*PA4ZD	*	39,258	234	27	99	*SP5BYC	*	1,482	40	7	19
*DL9ABM	*	30,562	116	43	75	*HAQLC	"	28,520	139	34	90		*I0YOV	*	12,638	165	12	59	*PA2CHM	*	13,224	65	25	29	*SP9DXD	*	1,160	17	13	39
*DL2BQD	*	29,670	132	44	94	*HG3IPD	"	17,115	184	27	78		*I20KMRH	1.8	20,340	356	8	52	*PA0WKL	*	44,515	267	40	105	*SP1VGL	*	3,780	30	19	26
*DK4DKS	*	29,154	134	38	91	*HA7MI	"	7,592	73	23	50		*I4JEE	*	4,092	98	6	38	*PA0WKL	*	44,515	267	40	105	*SP8BWE	*	2,881	29	16	27
*DM3X1	*	27,776	91	43	69	*HA7TIN	"	330	8	7	8		*I2BDV	*	36,080	358	15	67	*PA0BWL	*	29,736	106	41	77	*SP9MAN	*	2,475	65	15	30
*DH3RB	*	27,606	187	30	99	*HA8TP	28	25,920	145	24	72		*I23ESV	*	15,840	254	8	52	*PA4ZD	*	39,258	234	27	99	*SP5BYC	*	1,482	40	7	19
*DL6AB	*	26,656	128	36	76	*HASMY	1.8	32,565	509	9	56		*I0YOV	*	12,638	165	12	59	*PA2CHM	*	13,224	65	25	29	*SP9DXD	*	1,160	17	13	39
*DJ3EF	*	24,879	96	20	61								*I20KMRH	1.8	20,340	356	8	52	*PA0WKL	*	44,515	267	40	105	*SP1VGL	*	3,780	30	19	26
*DK8RE	*	23,545	108	24	63	*IE5P4Z	A	1,610,690	321	105	365		*I20KMRH	1.8	20,340	356	8	52	*PA0WKL	*	44,515	267	40	105	*SP1VGL	*	3,780	30	19	26
*DL1AWM	*	22,155	107	24	61	*IE7CC	A	104,500	270	55	154		*I20KMRH	1.8	20,340	356	8	52	*PA0WKL	*	44,515	267	40	105	*SP1VGL	*	3,780	30	19	26
*DH2RTW	*	21,356	47	10	21	*IE7FMO	"	1,764	47	9	19		*I20KMRH	1.8	20,340	356	8	52	*PA0WKL	*	44,515	267	40	105	*SP1VGL	*	3,780	30	19	26
*DL9URZ	21	97,282	398	30	97	*IE3ARJ	A	170,520	667	34	111		*I20KMRH	1.8	20,340	356	8	52	*PA0WKL	*	44,515	267	40	105	*SP1VGL	*	3,780	30	19	26
*DH9SB	*	97,190	30	11	23	*IE2JU	"	910	27	8	13		*I20KMRH	1.8	20,340	356	8	52	*PA0WKL	*	44,515	267	40	105	*SP1VGL	*	3,780	30	19	26
*DL2JAN	*	825	31	51	6	*IE0IN	"	126,741	1039	14	69		*I20KMRH	1.8	20,340	356	8	52	*PA0WKL	*	44,515	267	40	105	*SP1VGL	*	3,780	30	19	26
*DL1HTH	14	209,952	726	34	110	*IE0EHL	"	121,780	209	29	87		*I20KMRH	1.8	20,340	356	8	52	*PA0WKL	*	44,515	267	40	105	*SP1VGL	*	3,780	30	19	26
*PI1AO	*	191,155	318	32	98	*IAZ	"	100,734	332	50	156		*I20KMRH	1.8	20,340	356														

*Y07LTO	*	100	52	15	36	EG3A	*	3,019,864	3083	130	454	*SF3E	*	736	17	100	13	*UT5ZY	*	100	9	11	KH6ZM	*	648,802	1017	108	134												
*Y07LYM	*	100	55	17	37		(OP: EA3KU)	1,549,039	1933	109	130	*SK6AW	21	2,200	32	9	16	*UT8EU	7	138,414	672	30	108	KH6FI	*	64,752	165	69	83											
*Y04ATW	28	14,578	132	19	55	EA5AFP	*	556,631	1136	61	178	*SK6AW	21	2,200	32	9	16	*UT2WF	*	114,232	789	22	87	KH7X	3.5	484,716	1389	34	90											
*YR100A	21	41,830	233	25	69	EA4KA	*	338,926	625	73	228	*SJ4F	14	77,070	463	24	81	*US0HZ	*	111,864	653	24	94	KH6/W6PH	A	1,901,824	2041	119	204											
*Y05BRZ	*	37,224	205	28	71	EA1JO	*	45,752	202	39	94	*SM6NET	*	17,710	185	51	51	*UR3LPM	*	96,832	434	28	108	(OP: KH6N6D)		21,736	229	15	61											
*Y09CXE	*	13,416	171	26	52	TA7HY	*	3,864	30	17	29	*SJ0WPX	*	75,360	602	19	77	*UY5LO	*	71,609	507	20	81	KH6/N0CO	*	72,375	222	57	68											
*YR8B	14	361,678	1447	35	104	EA1HF	*	2,640	17	19	22	*SM4DFH	*	17,710	185	51	51	*UR3LTD	*	24,771	285	12	57	KH6/N7ON	14	71,272	411	24	94											
*Y04AB	*	233,026	382	31	103	EA5TD	*	63,438	441	24	73	*SM6BQX	*	17,710	185	51	51	*UR8IDX	*	46,706	258	23	98	INDONESIA		46,706	258	23	98											
*Y04MM	*	44,889	283	23	68	EA1EXE	21	63,438	441	24	73	*SM6AF	*	17,710	185	51	51	*UR8IDX	*	46,706	258	23	98	*YD3TKH	28	6,011	54	18	29											
*Y09MB	*	29,160	206	20	61	EA3JUW	*	170,442	689	34	119	*SM3AF	*	4,272	146	12	36	*UB2OBL	21	104,448	415	29	67	(OP: KH6N6D)		24,660	396	9	51											
*Y08DOH	*	540	10	8	10	EA1KIW	*	51,120	262	26	94	*SM6BSK	7	69,360	544	20	82	*UY2LA	*	17,760	290	12	48	KH6/W6PH	A	1,901,824	2041	119	204											
*Y09AGI	7	77,259	575	23	76	EA3AKY	3.5	414,284	1935	33	91	*SM6BSK	7	9,027	144	9	50	*UR4MRD	*	18,504	180	16	56	KH6/N0CO	*	9,600	104	7	43											
*Y09BPX	*	34,626	307	17	70	EA2LU	1.8	166,098	1240	15	76	*SM5MX	*	23,607	376	7	54	*UY2ZZ	*	6,300	104	7	43	KH6/N7ON	14	4,692	59	12	34											
*Y09AYN	*	31,595	258	18	71	EA2AZ	A	1,931,215	2559	113	368	*SM2EKA	*	4,141	100	7	34	*UY2RZ	*	49,816	324	27	77	*YB0ECT	14	316,798	763	34	117											
*Y03BBW	*	20,659	191	16	57	EA4GT	*	1,456,182	1930	108	333	*SM3AGO	*	285	9	6	9	*UU7J	3.5	16,280	285	7	49	*YB0YAD	*	21,244	173	16	31											
*Y06ADW	3.5	37,271	449	11	61			856A	3.5	16,280	285	*SM6OGO	*	19,096	288	9	53	*YCOLW	1.8	49,691	690	14	65	YC0LOW	1.8	168	7	5	7											
*Y02JV	*	13,050	75	8	42	*EB2BNU	*	709,504	1093	86	282	*SM6DPF	*	48,633	474	18	69	NORTHERN MARIANAS																						
*Y02IS	1.8	24,490	410	9	53	*EA7MT	*	478,296	751	91	273	*SM6DPF	*	24,660	396	9	51	*WH0S	A	141,120	495	48	64	SOUTH COOK ISLANDS																
*Y09HIF	*	1,426	63	5	26	*EA4DAT	*	145,930	579	68	217	*SM5CSS	*	3,520	80	5	39	*WH0J	A	21,602	407	21	32	KH6/W6PH	A	20,508	261	14	57											
SARDINIA																																								
IS0N	7	896,274	2943	37	137	*EA1BLX	*	170,258	453	57	161	*SM6PGL	*	18,592	441	78	194	*USP9A	1.8	26,733	400	9	58	PHILIPPINES																
ISO/K7QB	1.8	203,082	1582	20	82	*EA1FBU	*	133,298	477	44	103	*SM6PGL	*	149,556	316	64	178	*UR5H0	*	19,096	288	9	53	DU3NKE	A	582,470	1318	64	93	SOUTH COOK ISLANDS										
*ISO/DA	A	235,227	500	65	202	*EA4UJY	*	125,618	371	56	158	*SM6PGL	*	41,499	235	22	65	*UT3N	*	15,232	277	8	48	KH6/W6PH	A	141,120	495	48	64											
*ISO/MH	*	139,748	469	55	162	*EA7CA	*	118,998	557	63	193	*SM5MX	1.8	23,607	376	7	54	*WH0J	A	21,602	407	21	32	KH6/W6PH	A	20,508	261	14	57											
*ISO/MYN	21	13,832	122	18	38	*EA7CB	*	118,690	569	41	102	*SM5CSS	*	22,331	140	36	101	*WH0J	A	14,872	4,872	69	13	KH6/W6PH	A	14,872	4,872	69	13											
*ISO/WUX	14	5,440	114	17	47	*EA1ND	*	113,220	363	48	122	*SM6GGM	*	10,233	382	52	127	*UR5H0	*	4,588	153	6	31	E51TLA	14	1,127	26	11	12											
SCOTLAND																																								
GM3WUX	A	868,832	2124	65	239	*EA1BOW	*	102,705	401	47	120	*SM6PGL	*	18,592	441	78	194	*GW3NAS	A	186,956	452	85	223	WESTERN SAMOA																
GM3W	*	558,720	1272	68	220	*EA1JWV	*	96,280	398	33	112	*SM6PGL	*	18,592	441	78	194	*GW3JXN	7	87,750	522	26	91	WESTERN SAMOA																
SICILY																																								
IT9ZAU	A	348,318	1375	52	170	*EA7OWA	*	18,473	122	26	65	*UA2M	A	3,604,770	2550	180	610	*YUGOSLAVIA																						
IT9ESW	7	85,360	746	21	76	*EA1OJ	*	17,845	99	31	172	*UA2M	*	18,473	122	26	65	*YUGOSLAVIA																						
*IT9RA	A	528,938	1038	75	256	*EA2AHZ	*	16,975	95	36	61	*UA2M	*	1,257,408	1313	134	142	*YUGOSLAVIA																						
*IT9AP	*	83,780	225	63	173	*EA2AA	*	15,982	221	29	97	*UA2M	*	995,940	1309	117	378	*YUGOSLAVIA																						
*IT9IZY	28	2,492	125	4	24	*EA1EOR	*	11,911	115	19	24	*UA2M	*	599,936	858	110	326	*YUGOSLAVIA																						
*IT9MW	*	2,415	126	4	19	*EA1TOM	*	10,780	86	23	32	*UA2M	*	570,327	682	110	343	*YUGOSLAVIA																						
*IT9RRK	21	21	55	9	4	*EA1TOM	*	10,584	70	29	55	*UA2M	*	2,304	88	36	60	*YUGOSLAVIA																						
*IT9EJW	14	114,770	322	60	35	*EA2AAZ	*	7,396	66	31	55	*UA2M	*	23,130	28	25	64	*YUGOSLAVIA																						
*IT9LWP	3.5	6,432	222	13	62	*EA1FID	*	5,680	20	9	14	*UA2M	*	15,094	204	30	123	*YUGOSLAVIA																						
SLOVAK REPUBLIC																																								
OM3IAC	A	512,946	1040	84	238	*EA7GK	14	189,567	1004	28	91	*UA2M	*	3,521,718	289	83	121	*YUGOSLAVIA																						
*OM5NL	A	647,976	1086	79	305	*EA3GJU	*	44,934	362	17	99	*UA2M	*	15,096	913	27	89	*YUGOSLAVIA																						
*OM7AG	*	551,887	1133	71	272	*EA2BOV	21	96,570	536	29	82	*UA2M	*	10,935	234	37	38	*YUGOSLAVIA																						
*OM8ON	*	528,468	439	57	191	*EA4ABP	*	43,520	379	26	65	*UA2M	*	128,368	919	26	87	*YUGOSLAVIA																						
*OM7TAX	*	207,060	752	44	166	*EA3CACH	*	6,708	91	13	39	*UA2M	*	94,807	851	25	88	*YUGOSLAVIA																						
*OM3CFR	*	426,550	593	46	166	*EA1TOM	1.8	12,462	172	8	54	*UA2M	*	85,042	652	20	81	*YUGOSLAVIA	*	42,588	415	14	70	P40W	A	11,511,600	6377	149	487											
*OM3BA	*	178,596	503	49	167	*EA1TOM	*	7,308	61	9	50	*UA2M	*	14,702	237	32	111	*YUGOSLAVIA	*	14,702	237	32	111	P40T	*	10,859,541	6348	140	443											
*OM5LM	*	174,636	585	49	180	*EA4WD	*	1,177	115	16	62	*UA2M	*	17,740	238	25	68	*YUGOSLAVIA	*	14,702	237	32	111	P49Y	*	8,483,080	5167													

*YV1RDX	*	157,932	497	40	83	Y05ALI	28	7,927	66	20	47	I	W1OK	*	1,531,258	1190	112	381	KRF	*	556,776	539	107	300	AB7CF	*	100	17	12	14
*YV5AX	*	109,068	292	44	105	JG2MLI	*	7,104	72	20	28	KC1F	*	1,301,664	1107	97	319	N3JT/4	*	543,484	619	92	240	KD7GIM	*	100	45	13	13	
*YV7QP	28	16,400	188	16	24	LUE8FT	*	7,056	146	10	11	AA1V	*	1,238,875	813	132	451	N4VA	*	432,059	489	102	254	W7UT	21	173,160	498	31	99	
						W6QU	*	2,496	30	13	19	W1NG	*	1,162,035	735	134	461	K4PFP	*	417,410	496	82	253	N7MAl	7	20,646	110	24	50	
						(OP: W8OZA)					W1HR	*	1,019,142	828	115	351	WX4TM	*	342,486	491	99	260	W7SST	3.5	1,242	20	14	13		
															(OP: K1OXX)		231,154	337	74	192	W7IZL	1.8	4,920	106	14	26				
OPR	P40A	A	4,400,572	3644	106	306	JA1NLX	*	2,485	32	16	19	K1NU	*	1,015,391	783	114	367	K4XD	*	215,296	332	74	182	K4BL	*				
FY5FY	*	1,553,748	1651	87	262	CX7ACH	*	2,266	59	11	11	K1JB	*	973,640	721	115	367	W4ZW	*	196,834	303	76	177	K3WA/B	A	972,706	837	105	322	
OK2BVW	*	939,690	1074	114	363	KJ3QJ	*	576	16	7	11	(OP: JG1EJO)	*	956,824	675	128	396	W4OV	*	190,674	326	92	205	A8BL	*	723,008	658	103	313	
KR2Q	*	801,420	766	92	288	S04HRN	*	378	17	5	13	W1EBI	*	873,072	767	102	321	N4OS	*	185,991	274	68	183	N8TR	*	665,190	460	129	441	
OK7CM	*	783,264	1169	88	310	UR5ZOV	*	336	17	6	10	W3IZ/1	*	706,860	638	98	322	W4IR	*	163,782	248	70	173	W8JY	*	578,832	581	89	283	
N8ET	*	637,000	684	93	271	FS/AH8DX	21	117,502	678	18	59	K1LD	*	584,784	652	90	282	AD4IE	*	155,709	289	58	161	A1J1M8	*	536,400	591	88	272	
DF1DX	*	511,880	940	65	252	H43JB	*	86,394	334	32	89	W1EO	*	564,402	625	79	248	K1KO/4	*	148,912	264	60	167	N8BIO	*	272,100	334	85	215	
K4LTA	*	461,690	576	88	249	PY1KO	*	84,722	443	24	66	W1BYH	*	519,739	553	102	305	K4OD	*	141,882	377	59	155	KABHOK	*	160,912	264	63	163	
RA9SO	*	457,920	641	65	205	H47MW	*	59,584	229	28	84	W1RM	*	514,050	437	113	334	N9RJZ/4	*	141,381	287	61	146	W8OHT	*	111,552	249	64	160	
JR4DAH	*	452,800	657	98	185	7K4OKO	*	34,128	189	26	53	N1RK	*	503,497	540	80	267	KD5M/4	*	136,584	214	78	174	KAPTTI	*	31,382	102	37	81	
UA6LCJ	*	423,072	832	88	259	JR1NNK	*	26,780	171	23	42	WB1DX	*	489,700	580	87	245	NE4M	*	132,384	261	56	141	KGBD	*	14,857	69	27	56	
N1TM	*	415,110	503	75	228	JH7R7Q	*	13,740	110	24	36	AD1C	*	322,200	334	94	266	W4DJ	*	128,050	262	53	144	K5ZG/2	21	57,860	209	26	84	
W6JTI	*	396,722	516	101	192	WA6FGV	*	12,272	94	17	35	W1RZF	*	249,498	412	86	187	N4OK	*	125,800	249	58	142	W8CNZ	3.5	14,193	83	22	61	
YO3APJ	*	380,787	509	93	270	RA3KEV	*	11,956	145	14	47	W1ZZ	*	228,760	282	67	234	C4ZC	*	122,400	220	63	137	W8UWZ	1.8	31,158	150	21	73	
GW4ALG	*	370,517	844	60	227	F5VBT	*	10,780	139	14	35	KV1J	*	161,393	262	72	179	K4GMH	*	109,252	295	42	101	AD8P	*	10,382	96	15	43	
VA3DF	*	365,707	607	71	180	ES1CR	*	8,480	93	17	40	AB1J	*	131,031	247	54	153	K4AQ	*	100,061	220	50	129							
G4DBW	*	336,609	855	24	19	J41KPF	*	7,476	75	19	23	NC1N	*	101,525	348	22	113	WB6JU/4	*	92,430	188	50	145	W9XT	A	1,519,583	1060	134	399	
Y85AOB	*	323,361	469	98	189	OK1AU	*	7,400	103	11	26	W1DAD	*	99,345	203	49	136	K0COP/4	*	87,899	167	46	157	WE9W	*	1,267,224	882	129	403	
SP6LV	*	319,056	808	55	234	SP5DDJ	*	5,194	47	22	31	N1MG0	*	76,936	192	46	117	NA4GC	*	83,955	165	64	129	K9MM	*	1,183,115	984	107	342	
US2Z	*	313,126	956	49	197	SP9RQH	*	3,384	13	13	23	K1KD	*	69,012	157	52	110	AI4MT	*	73,080	194	58	110	KUQON	*	638,880	685	85	267	
L1TEU	*	297,882	470	84	163	I2J1AL	*	3,036	93	8	25	W1D1U	*	55,845	164	37	116	N4TL	*	70,854	188	40	107	N2BJ/9	*	550,921	577	98	275	
WA8WV	*	272,160	390	73	207	BY6RC	*	2,352	70	19	30	W1JR	*	48,380	113	56	108	N4EXA	*	59,100	155	47	103	K9OR	*	388,935	395	89	288	
G3YMC	*	265,795	726	49	216	PA1W	*	1,463	48	5	14	W1MAT	*	41,184	117	45	98	N3UA/4	*	35,733	119	44	85	K9CT	*	363,264	372	119	265	
EA7AAW	*	253,752	648	47	171	PA2FMN	*	1,440	26	10	4	W1LT	*	35,695	115	39	82	N2OT/4	*	34,572	101	44	85	K9GY	*	199,804	327	65	174	
UR5LAM	*	251,699	643	33	224	SD1K	*	1,400	26	10	4	W1LT	*	34,040	147	22	70	NE4E	*	28,440	104	45	75	N8EJ/4	*	135,136	282	62	144	
UA9SG	*	240,454	459	57	161	N0OCT	*	150	10	8	7	K2Z10	*	2,262	100	87	34	W4NM	*	25,996	107	28	69	W9LY	*	113,850	222	65	142	
LY2TS	*	226,092	678	51	198	PY2AA	*	108	22	4	2	W1RLY	*	6,985	52	19	36	NE4B	*	24,347	130	28	69	W9VO	*	105,072	211	53	146	
RW3AI	*	216,384	631	58	218	HA1DK	14	244,956	945	33	116	K1TWT	*	1,736	21	10	18	N4NM	*	24,024	83	52	80	W09S	*	88,178	210	60	118	
UX8ZA	*	184,508	510	58	213	DL9ZP	*	176,456	688	33	104	K1LT	1.8	34,040	147	22	70	NE8J/4	*	24,024	83	4	4	W4WJ	*	19,690	95	44	66	
LY2FE	*	184,188	485	55	198	Y05KIP	*	155,067	775	28	99	NN2W	*	1,728,612	873	136	451	N8K4C	*	2,626	21	18	21	WK8A/9	*	22,440	84	39	71	
SM6EQQ	*	177,786	538	45	200	F5PTM	*	149,534	514	36	118	K2NG	*	1,521,219	146	104	146	N1EU/2	*	1,251,219	163	504	130	W0A9HJ	*	135,136	282	62	144	
K8ZT	*	167,250	293	80	170	RU9JUM	*	105,504	528	27	85	W1GD/2	*	1,251,219	146	104	146	W0A9HJ	*	135,136	282	62	144	W0A9HJ	*	135,136	282	62	144	
OK1HCG	*	167,250	293	80	170	MS5CW	*	149,342	213	23	72	W2GDJ	*	1,251,219	146	104	146	W0A9HJ	*	135,136	282	62	144	W0A9HJ	*	135,136	282	62	144	
NU4UB	*	166,740	562	59	215	RU2JW	*	1,211	45	5	18	W1ZP/4	*	1,251,219	146	104	146	W0A9HJ	*	135,136	282	62	144	W0A9HJ	*	135,136	282	62	144	
ZF1AH	*	166,740	562	59	215	SP4JF	*	1,211	45	5	18	W1ZP/4	*	1,251,219	146	104	146	W0A9HJ	*	135,136	282	62	144	W0A9HJ	*	135,136	282	62	144	
UR3PGS	*	160,734	255	39	88	F5UJ	*	39,897	309	18	75	W1ZP/4	*	1,251,219	146	104	146	W0A9HJ	*	135,136	282	62	144	W0A9HJ	*	135,136	282	62	144	
UT5UUU	*	150,734	255	39	88	Y05QAW	*	39,897	309	18	75	W1ZP/4	*	1,251,219	146	104	146	W0A9HJ	*	135,136	282	62	144	W0A9HJ	*	135,136	282	62	144	
W400	*	150,734	255	39	88	Y05QAW	*	39,897	309	18	75	W1ZP/4	*	1,251,219	146	104	146	W0A9HJ	*	135,136	282	62	144	W0A9HJ	*	135,136	282	62	144	
DL4GBR	*	150,734	255	39	88	Y05QAW	*	39,897	309	18	75	W1ZP/4	*	1,251,219	146	104	146	W0A9HJ	*	135,136	282	62	144	W0A9HJ	*	135,136	282	62	144	
PA1B18	*	150,734	255	39	88	Y05QAW	*	39,897	309	18	75	W1ZP/4	*	1,251,219	146	104	146	W0A9HJ	*	135,136	282	62	144	W0A9HJ	*	135,136	282	62	144	
PA1B18	*	150,734	255	39	88	Y05QAW	*</td																							

RA9AC	"	934,568	817	93	301	CZECH REPUBLIC	DJ4PI	"	141,414	283	77	217	PA1T	"	186,355	324	78	227	UT3MA	"	27,501	262	22	67							
RM9RZ	"	804,388	827	105	298	OK2FD	DK6CO	"	139,776	334	72	184	PA5KT	"	77,024	245	51	115	UW5W	"	499,386	1810	37	142							
UA9XS	"	365,864	579	50	182	OK1KT	"	1,861,850	1802	136	439	DL7USW	"	137,011	382	60	199	UR5OK	"	142,350	867	31	99								
UA9KM	"	345,680	540	86	212	OK7Y	"	1,762,524	2200	119	400	DL4R	"	135,971	298	68	195	PA3EW	"	13,950	104	28	65								
RL9A9	"	335,296	530	67	181	(OP: UA9XLC)	DJ1KDF	"	1,041,000	1802	136	439	(OP: DK4RCK)	"	1,484,338	1720	37	141	PA0CLN	"	60,431	533	21	76							
R9Y9K	"	221,897	507	62	145	OK1KO	DJ1DXA	"	133,043	412	59	174	DL1DXA	"	1,471,932	873	25	99	(OP: UT7GK)	"	147,932	873	25	99							
UA9OM	"	136,068	603	23	97	OK2FB	DF5U	"	121,670	297	70	160	GI4NKB	A	404,889	816	64	225	NORTHERN IRELAND	"											
RA9AE	"	128,607	319	37	126	OK2CLW	DK2K2	"	113,565	357	47	154	GI4NKB	A	404,889	816	64	225	WALES	"											
UA9DD	"	1,548	19	17	19	OK3R	DL5KUA	"	106,672	286	67	169	GW4BLE	A	15,943	88	38	69	GW7X	"	243,478	931	30	104							
RV9DC	"	399	16	9	10	OK1DG	DL6DZJ	"	99,511	398	44	147	PA0CLN	A	4,296,880	2446	142	448	(OP: GW3SOX)	"											
RK9XXX	"	391	12	11	12	OK1ACF	DL8AWK	"	52,824	281	31	111	GW3YDX	A	492,582	14	179	144	PA0CLN	A	4,296,880	2446	142	448	(OP: GW3SOX)	"					
UA9UR	28	460	13	8	12	OK1CW	DH5JG	"	48,356	177	41	116	SN5M	A	1,496,880	2446	142	448	YUGOSLAVIA	"											
UA9XC	"	110	15	9	13	OK1TD	DL3DRN	"	33,825	148	39	84	GW3YDX	A	492,582	14	179	144	SN5M	A	1,496,880	2446	142	448	YUGOSLAVIA	"					
RA9JR	21	132,000	661	25	85	OK1TP	DL6KAC	"	25,620	107	37	68	GW3YDX	A	492,582	14	179	144	SN5M	A	1,496,880	2446	142	448	YUGOSLAVIA	"					
RU9CK	7	480,029	120	32	119	OK6DJ	DL9NCR	"	25,432	126	49	87	GW3YDX	A	492,582	14	179	144	SN5M	A	1,496,880	2446	142	448	YUGOSLAVIA	"					
RV9UF	3.5	1,127	37	8	15	DENMARK	DL4F4D	"	6,612	73	18	49	GW3YDX	A	492,582	14	179	144	SN5M	A	1,496,880	2446	142	448	YUGOSLAVIA	"					
RV9AW/0	A	172,584	469	73	115	DENMARK	DL4KB	"	6,080	87	18	58	GW3YDX	A	492,582	14	179	144	SN5M	A	1,496,880	2446	142	448	YUGOSLAVIA	"					
RV9AR	28	342	11	7	11	GI4NKB	DL2UH	"	3,276	31	22	30	SP9HKN	"	21,230	93	38	72	Y2500A	3.5	331,303	1822	30	103	YUGOSLAVIA	"					
RU9UA	"	11,110	101	18	37	GI4NKB	DR1F	"	609	11	10	11	SP9QED	"	693	23	12	21	YU7W	"	311,220	1593	30	110	YUGOSLAVIA	"					
UA0AGI	7	350,796	957	38	126	G3WPH	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
RV9WLZ	"	114,195	495	31	84	G3LZO	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
RA9AM	"	26,592	148	25	71	ENGLAND	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
CHINA	D	637,728	1128	99	213	ENGLAND	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
BD1DRJ	A	76,340	386	32	78	(OP: B5TT)	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
BA5TT	7	26,026	174	26	51	M0TDG	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
BA4RF	3.5	165,466	877	28	78	M0AXX	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
5B/M0XXA	3.5	624,963	1890	25	98	M0PCB	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
4L2M	7	861,416	2160	35	123	M0FCR	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
VR2XLN	A	133,200	277	62	138	ESTONIA	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
JAPAN	D	1,901,280	1645	139	327	EUROPEAN RUSSIA	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
JF1PJK	A	1,137,492	1412	117	225	U3A3AQ	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
JF2SKV	"	529,008	668	109	200	RA3BB	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
J1A1LP	"	229,516	472	63	133	R4ZPYC	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
J1PQDH	"	221,195	420	78	127	R4ZPYC	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
J1M1ZM	"	188,195	311	99	184	R4ZPYC	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
J1MXW	"	169,875	303	92	133	R4ZPYC	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
J1J7MX	"	136,313	231	100	171	R4ZPYC	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
J1T1P7	"	129,789	294	78	129	R4ZPYC	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
J1T1HD	"	106,407	231	67	122	R4ZPYC	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
J1T1UY	"	32,809	115	45	64	R4ZPYC	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
JEOIJR	"	28,214	119	45	56	R4ZPYC	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
JO3FUO	"	19,665	85	45	54	R4ZPYC	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
J3A2RAZ	"	13,440	104	29	35	R4ZPYC	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
JF3BFS	21	85,447	204	58	299	R4ZPYC	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
JL3CMC	"	20,160	129	24	40	R4ZPYC	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
J3R3YI	"	5,640	63	17	30	R4ZPYC	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
JM2RUV	14	287,238	752	38	109	R4ZPYC	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
J1T1NP	"	5,987	66	16	9	R4ZPYC	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
J1A1Z	"	5,966	16	9	12	R3A3WA	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
J1I1CA0	7	49,696	204	31	67	R4ZPYC	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
J1A1ML	3.5	14,100	100	19	40	R4ZPYC	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
J1O1WD	"	6,486	62	17	30	R4ZPYC	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
J1O1WD	"	6,486	62	17	30	R4ZPYC	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
UK BASES ON CYPRUS	ZC4LI	7	1,202,364	274	35	127	FRANCE	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"				
EU4-GENEVA	4U	35,894	179	37	100	FRANCE	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
4U1ITU	A	35,894	179	37	100	FRANCE	DR1F	"	221	7	6	7	YU7W	"	311,220	1593	30	110	(OP: YT7AW)	"					(OP: YT7AW)	"					
FRANCE	D	1,05																													

