

Results of the 2011 CQ WW WPX CW Contest

BY RANDY THOMPSON,* K5ZD

"Who ever said that contesting is for wimps? I am simply amazed at the willingness of my fellow CW contestants to sit [through] the extremely challenging conditions this weekend and I am proud to be a part of this brotherhood."

— Andy, DL3YM

The 32nd edition of the CQ WW WPX CW Contest was held on May 28–29, 2011. This was just 60 days after the fantastic propagation experienced in the SSB event. In the battle between man and technology vs. nature, things don't always work out the way we want. For the second year in a row, WPX CW had some bad luck.

After a week of great conditions leading up to the contest, it was frustrating to have the solar storms begin just a few hours after the start. The poor conditions caused operators to revise their operating plans. Mike, KH6ND, operating at KH7X commented, "Seriously bad conditions from this part of the world. I was forced to take many hours of off time during what are usually our highest rate times of the day." Carol, N2MM, made the ultimate statement of rejection by a serious competitor: "Things were so bad on Saturday morning that I [stopped] to mow the lawn." Other ops mentioned taking time off to attend holiday parties or watch the Formula One race or the Indianapolis 500.

Even so, there was still opportunity for those who stayed in the chair. Victor, VA2WDQ, focused on the positive: "I've improved my last-year result by 20%." Mike, VE3GFN, was happy: "My first WPX and it was amazing how the score rose to astronomical heights." John, VK4CT, was also pleased: "I enjoyed good competition and band conditions to reach a personal best." Steve, N2IC, found a nugget of propagation gold: "Outstanding propagation to VK and JA on 80 meters Saturday morning during the hours before sunrise—maybe the best I have ever heard."

In spite of the challenges, many stations reported scores equal to or better than 2011. One reason was the increase in multipliers. The LZ9W multi-multi entry set a new record for prefix multipliers, with 1365. They made this observation about where the multipliers come from: "Thanks to new Russian calls there were a good number of prefixes available from east. ... USA once again was the main source of multipliers. For example, prefixes we worked from Russia, Ukraine, and Japan counted together still does not match the number of USA prefixes worked."

We thank the following stations that helped provide some unusual callsigns and exciting multipliers in our logs: 8J4VLP, 8N3A/3, CD3A, D73A, DK150RB, DR11BUGA, DR40AGCW, HF800Z, HG15IPA, IP7U, JU1F, LZ2011KM, LZ855SRKM, OM50CDN, OM75IHWC, SD40JZ, SO100MSC, YR30DP, Z330F, and Z350MM. OM2011IIHF was a special event call for the 2011 Ice Hockey World Championship in Slovakia.

Single-Op All Band High Power

Valery, RD3A, once again returned to EF8M to set the top score for the Single Operator category. There was a South America shootout between John, W2GD, operating from P40W, and John, K4BAI, operating from PJ4A. W2GD had the experience advantage with over 25 years of contesting from Aruba. K4BAI was the defending record holder. It was an extra 200 contacts on 40 meters for PJ4A that provided the winning edge. Two travelling Russians faced off for fourth place, with Harry, RA3AUU, operating from P33W coming out ahead of Vlad, RK4FF/6W.

It was a very close race for top score in Europe. Pertti, OH2PM, piloted the Arkala station CR2X to first in Europe and 7th overall. Close behind was Sebastian, F8DBF, operating from TM6M. Stations to the south dominated the European Top Ten. IR4X, operated by Matteo, IZ3EYZ, and



Jorge, CX6VM, received help from his 11-month-old Francisco while operating as CW5W.

Ranko, 4O3A, finished third and fourth. Hrvole, 9A6XX, in fifth, led a close pack of stations all with over 6-million points.

As usual, most of the top USA scores came from the Northeast. The winner this year was Krassy, K1LZ. Just a few extra prefixes made the difference over second place finisher Scott, K0DQ, operating from the well-equipped station of WW1WW. Paul, K8PO, used the call AJ1I to place third. In fifth, Alex, LZ4AX, lost some momentum at KC3R when the 40-meter beam failed on Saturday afternoon. The best scores from out West were Steve, N2IC, operating as WK5T, and Chris, KL9A, operating NK7U. Both were rewarded for their perseverance as Steve took home the plaque for high score in Zone 4 and Chris earned the plaque for high score in Zone 3.

Single-Op All-Band Low Power

For the second year in a row, the winner of the Low Power category was P49Y operated by Andy, AE6Y. His score is a new world record replacing a score set by CT3EE back in 2003. Talk about being in the right place at the right time to take advantage of the poor conditions! Second place was taken by 3V8SS in Tunisia operated by Ash, KF5EYY. Southern Europe was the place to be as IR1Y (op. Carlo, IK1HJS) finished just ahead of Mladen, YT6W, Andy, UU4JMG, and Milan, YU8A. Carlo made most of his contacts on 15 meters, while the others had a more even distribution across all bands.

The battle for top USA score also favored stations to the south and was extremely close. Merrill, WK2G/4, in Florida, finished just 4000 points ahead of Marv, N5AW, in Texas; that's less than three DX contacts! This was Marv's first serious entry in WPX and he did very well, in spite of having to take a few hours off on Saturday afternoon to attend a holiday party. Another Floridian, Will, WJ9B/4, was just a few points back in third. Terry, N4TZ, operating from KS9K in Indiana, was the best of the northerners, just ahead of David, K3EL/2 in New Jersey, and neighbor K9QVB in Illinois.

Single-Operator Single Band

The top Single Band score in the contest was made by Pedro, HK1X, on 20 meters. Two-hundred more multipliers helped increase his score

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2011 CQ WW WPX CW TROPHY WINNERS AND DONORS

SINGLE OPERATOR ALL BAND

WORLD: Steve Bolia, N8BJQ Trophy. Won by: **EF8M** operated by Valery Komarov, RD3A
WORLD Low Power: Caribbean Contesting Consortium Trophy. Won by: **P49Y** operated by Andrew L. Faber, AE6Y
WORLD QRP: Bill Parker, W8QZA Trophy. Won by: **Joseph Presman, UU2CW**
USA: Dennis Motschenbacher, K7BV Trophy. Won by: **Krassimir Petkov, K1LZ**
USA Low Power: Ken Boasi, N2ZN Trophy. Won by: **Merrill Brown, WK2G/4**
USA QRP: John T. Laney, K4BAI Trophy. Won by: **Julius Fazekas, N2WN/4**
USA Zone 3 High Power: Northern California Contest Club Trophy. Won by: **NK7U** operated by Chris Hurlbut, KL9A
USA Zone 3 Low Power: Arizona Outlaws Contest Club Trophy. Won by: **AD7JP** operated by **BILL CONWELL, K2PO**
USA Zone 4 High Power: Society of Midwest Contesters Trophy. Won by: **WK5T** operated by Steve London, N2IC
USA Zone 4 Low Power: Society of Midwest Contesters Trophy. Won by: **Marvin Bloomquist, NSAW**
USA Zone 5 High Power: Paul Obert, K8PO Trophy. Awarded to: **WW1WW** operated by Scott Redd, K8DQ
EUROPE: Ivo Pezer, 5B4ADA/9A3A Trophy. Won by: **CR2X** operated by Pertti Simovaara, OH2PM
EUROPE Low Power: Victor Santos, PY2NY Trophy. Won by: **IR1Y** operated by Carlo De Mari, IK1HJS
EUROPE QRP: Julius Fazekas, N2WN Trophy. Awarded to: **OK3C** operated by Ludek Odehnal, OK2ZC
AFRICA: Chris Terkla, N1XS Trophy. Awarded to: **Vlad Zaitsev, 6W/RK4FF**
ASIA: Rick Tavan, NGXI Trophy. Won by: **P33W** operated by Igor Booklan, RA3AUU
NORTH AMERICA: Louisiana Contest Club Trophy. Won by: **Felipe Hernandez, NP4Z**
NORTH AMERICA QRP: Dale Martin, KG5U Trophy. Won by: **no entry**
OCEANIA: Lloyd Cabral, KH6LC Trophy. Won by: **KH7X** operated by Michael Gibson, KH6ND
OCEANIA Low Power: Pacific DXers Trophy. Won by: **P29CW** operated by Allan Bernard Mason, VK2GR
SOUTH AMERICA: David Kopacz, KY1V Trophy. Won by: **PJ4A** operated by John T. Laney III, K4BAI
SOUTHERN CONE (CE,CX,LU): Tom Morton, K6CT Trophy. Won by: **CW5W** operated by Jorge Diez, CX6VM
CANADA: Radio Amateurs of Canada (RAC) Trophy. Won by: **VY2ZM** operated by Jeffrey T. Briggs, K1ZM
CANADA Low Power: Contest Club Ontario Trophy. Won by: **Bruce Wade, VE1NB**
JAPAN: Simone Candotto, IV3NVN Trophy. Won by: **Masakai Okano, JH4UYB**

SINGLE OPERATOR, SINGLE BAND

WORLD 28 MHz: Steve Hodgson, ZC4LI Trophy. Won by: **PW2D** operated by Thomas Carlsson, PY2ZXU
WORLD 28 MHz Low Power: Six Stars Contest Station LS1D Trophy. Won by: Dale Green, CE2/VE7SV
WORLD 21 MHz: Andrei Stchikulin, NP3D Trophy. Won by: **Jorge Luis Prieto, HK1R**
WORLD 14 MHz: Gene Walsh, N2AA Trophy. Won by: **Pedro Claver Orozco, HK1X**
WORLD 7 MHz: 6Y1V Contest Station Trophy. Won by: **Ivan Mastilovic, YU1LA**
WORLD 7 MHz Low Power: Neal Campbell, K3NC Trophy. Won by: **Eugeniusz Moroz, SP4JCQ**
WORLD 3.5 MHz: Ranko Boca, 4O3A Trophy. Won by: **9A40Y** operated by Sasa Pokorni, 9A3NM
WORLD 1.8 MHz: Dusko Dumanovic, ZL3WW Trophy. Won by: **Tomislav Polak, 9A2AJ**
USA 28 MHz: Paul Beringer, NG7Z Trophy. Won by: **Pat Whelton, KZ5J**
USA 21 MHz: Charlie Wooten, NF4A Trophy. Won by: **WN1GIV/4** operated by Bob Patten, N4BP
USA 14 MHz: Kansas City DX Club Trophy. Won by: **NR5M** operated by Bill Bradford, K5GA
USA 7 MHz: Darin Divinia, WG5J Trophy. Won by: **NG5A** operated by CHRISTOPHER TERKLA, N1XS
USA 3.5 MHz: Wes Printz, W3SE / ZL3STE Trophy. Won by: **Victor A. Shields, K9UIY**
EUROPE 28 MHz High Power: SKY Contest Club Trophy. Won by: **Slaven Galic, E77A**
EUROPE 21 MHz High Power: SKY Contest Club Trophy. Won by: **CS2C** operated by Jiri Pesta, OK1RF
EUROPE 14 MHz High Power: SKY Contest Club Trophy. Won by: **E73W** operated by Ivica Matkic, E73O
EUROPE 7 MHz High Power: SKY Contest Club Trophy. Awarded to: **Saulius Zalinerauskas, LY5W**
EUROPE 3.5 MHz High Power: SKY Contest Club Trophy. Awarded to: **Igor Plugataraev, RW3WA**
EUROPE 1.8 MHz High Power: SKY Contest Club Trophy. Awarded to: **IR4E** operated by Filippo Fragni, IK4ZHH

SINGLE OPERATOR ASSISTED

WORLD: D4C Station Trophy. Won by: **TO8A** operated by Valery Petrov, R5GA
USA: Ron Sigismoni, N3RS Trophy. Won by: **WU3A/1** operated by Gene Shablygin, W3UA
EUROPE: Martin Huml, OL5Y Trophy. Won by: **EF5Y** operated by Yuri Sakalouski, EA5GTQ
Canada: Anthony Ratajczak, VE1ZA Trophy. Won by: **VA2WA** operated by Victor Androssov, VA2WDQ

OVERLAY CATEGORIES

WORLD Tribander/Single Element: Helmut Mueller, DF7ZS Trophy. Won by: **3V8SS** operated by Ashraf Chaabane, KF5EY
USA Tribander/ Single Element: Paul Newberry, N4PN Trophy. Won by: **WS2T/4** operated by Paul Newberry, N4PN
EUROPE Tribander/ Single Element: WPX Contest Committee Trophy. Won by: **T70A** operated by Ivo Pezer, 9A3A
WORLD Rookie: Val Edwards W8KIC Memorial (K3LR sponsor) Trophy. Won by: **OH8R** operated by Mikko Silvola, OH8FKU
NORTH AMERICA Rookie: Chris Kantarjiev, K6DBG Trophy. Won by: **Michael Moran, K2CYE**

MULTI-OPERATOR SINGLE-TRANSMITTER

WORLD: Steve Miller, N0SM Trophy. Won by: **CQ3A** operated by OE1DIA, OM3GI, OM3RM, OM7JG
USA: Phil Allardice, KT3Y Trophy. Won by: **NY4A** operated by AA4FU, N4AF
AFRICA: Rhein Ruhr DX Association Trophy. Awarded to: **J25DXA** operated by J28AA, J28AP, J28JV, J28RO, J28WR
ASIA: W2MIG Memorial (NXTTT Sponsor) Trophy. Won by: **C4N** operated by 5B8AD, 5B4AGM, RV6LNA, RA6LFO, R7LV, R7LP, UA9CDV
EUROPE: Andy Ruse, YO3JR/YR1A Trophy. Won by: **E7DX** operated by 9A5K, E70R, E70T, E74IW, E76C, E77DX, E77E, E77W
NORTH AMERICA: Jim George, N3BB Trophy. Won by: **KP2M** operated by KT3Y, K9VV

MULTI-OPERATOR TWO-TRANSMITTER

WORLD: UA1DZ Memorial (W3UA Sponsor) Trophy. Won by: **CR3L** operated by DJ2YE, DJ8DS, DJ9IE, DK3QZ, DL1XW, PA0R
USA: Florida Contest Group Trophy. Won by: **KD4D/3** operated by KD4D, NN3W, K3RA, K3WI, W2CDO, W3KX, K3MM
AFRICA: Walter Skudlarek, DJ6QT Trophy. Won by: **no entry**
EUROPE: Tom Georgens, W2SC Trophy. Awarded to: **II9T** operated by IT9GSF, LY2IJ, YL2KL, YL3DW

MULTI-OPERATOR MULTI-TRANSMITTER

WORLD: Steve Merchant, K6AW Trophy. Won by: **LZ9W** operated by LZ1ZD, LZ1ANA, LZ1FG, LZ1GL, LZ1PJ, LZ1PM, LZ1UQ, LZ2BE, LZ2CJ, LZ2HQ, LZ2GL, LZ2LP, LZ2TU, LZ2UU, LZ2PO, LZ2UZ, LZ3FM, LZ3UM, OK1FDR
USA: Jim Reisert, AD1C Trophy. Awarded to: **NR4M** operated by KE3X, K4EC, K4GM, K4ZW, KC4D, K7SV, N2YO, N3UA, NR4M, WK3W, W4PRO
EUROPE: David Robbins, K1TTT Trophy. Awarded to: **DR1A** operated by DB6JG, DF6JC, DJ7EO, DJ7WW, DK2CX, DK9IP, DL3DXX, DL5CW, DL5LYM, DL6FBL, DL8DYL, DL8LAS, DL8WPX, DL9DRA, DL9EE, SV2KBS, JK3GAD, PC5A

CONTEST EXPEDITION

WORLD: Phil Goetz N6ZZ Memorial Trophy. Won by: **Franc Bogataj, ZA/S59AA**

COMBINED SSB/CW

WORLD Single Operator Total Score: Yuri Blanarovich, K3BU Trophy. Won by: **Jeffrey T. Briggs, K1ZM**
USA Single Operator Total Score: Bill Fisher W4AN Memorial (KM3T Sponsor). Won by: **Krassimir Petkov, K1LZ**
WORLD Single Operator Total Prefixes: Norm Koch, WN5N Memorial by Gail Sheehan, K2RED Trophy. Won by: **Ranko Boca, 4O3A (2327 total)**
WORLD Club Score: CQ Magazine trophy. Won by: **Bavarian Contest Club**

from last year by over 40% to set a new record for South America. Second place on 20 meters went to YW4D, operated by Paolo, YV1DIG. Steve, ZC4LI, showed that fighting cancer was not going to slow down his contesting with a fine fourth place finish. In Europe, it was E73OW (op Ivica, E73O) just getting by Ivo, S57AL, for the win. The top 20-meter score in the USA was by Bill, K5GA, operating from NR5M.

The experience on 10 meters varied greatly depending on where you were. The top score was from PW2D operated by Thomas, PY2ZXU, with over 2-million points. Rene, LU7HN, was second with 1.4 million. As usual, WPX CW served up some interesting sporadic-E in Europe. Slaven, E77A, made over 1100 contacts to win Europe and place third overall. Alex, RU7A, was close behind. The top North American score was by Joe, W5ASP, at the controls of ZF1A. There was only one entry from the USA, by Pat, KZ5J.

Continuing the theme of winners from South America was Jorge, HK1R, on 15 meters. He finished ahead of the 15-meter powerhouse ZX5J operated by Carl, AI6V. Jiri, OK1RF, operated from Portugal as CS2C to finish third. The top USA score was made by Bob, N4BP, using his old Novice call WN1GIV/4. Very close second was from Eric, NM5M, sharing the NR5M station.

Ivan, YU1LA, enjoyed his favorite band and took the win on 40 meters. Second and third place were from the north, with Sam, LY5W, just getting ahead of Dmitri, UA2FB operating UA2F. The world top ten was dominated by European stations except for the top two USA scores. Chris, N1XS, operated from NR5M using the call NG5A to take first in the USA and number 7 in the world. Just 40k points behind was Andy, K2LE, using the call KW2O. Dealing with summer static and the strange conditions, it was logging accuracy that determined the order of finish between Chris and Andy.

The champion on 80 meters was Sasa, 9A3NM, operating from the 9A1CCY club station under the call 9A40Y. There were many thunderstorms in southeastern Europe to deal with on the first night. Second place went to Victor, R9TV, with a nice score far from the population centers of Europe and a new UA9 record. Igor, RW3WA, also had a nice score to finish in third. The USA winner was NC6CC operated by Bill, N6ZFO.

It was a close race for the top position on 160 meters. Tom, 9A2AJ, and Filippo, IK4ZHH at IR4E, ended up only 3 QSOs and 6 multipliers apart! Tom got the win due to his extra prefixes. Bolmar, HK1MW, put in a valiant effort to break the South American record that had been set by YV1OB back in 1986! The USA winner was Charlie, N0TT.

Single-Op Single Band Low Power

The highest Low Power Single Band score was made on 15 meters by Martin, OK1FUA, operating from KV4FZ using the call NP2/OL5Y. Second went to Cesar, LU5FR. Milovan, YU1AU, represented the best from Europe and was third. Andy, WB4TDH, was well ahead in the race for top USA score on the band.

The winner on 10 meters was a call that had some participants scratching their head. Dale, VE7SV, operated 10 meters single band from Chile as CE2/VE7SV. At the same time, his station back in British Columbia was active as a multi-op using the call VE7SV. Second on 10

2011 CQ WW WPX CW WORLD TOP SCORES

SINGLE OPERATOR HIGH POWER ALL BANDS				ROOKIE ALL BANDS				TRIBANDER/SINGLE ELEMENT LOW POWER ALL BANDS			
EF8M (RD3A)	17,256,785	*VE1NB	1,457,528	*UK8AR	21 MHz	1,094,460	*OH8R (OH8FKU)	1,604,665	*3V8SS (KF5EYY)	4,861,320	
PJ4A (K4BA)	16,272,730	*OM3ZWA	1,430,583	*UN8GV	3.5 MHz	907,092	*UD3D (UB3DAY)	1,535,180	*RT95	3,385,266	
P40W (W2GD)	14,206,600	*S57DX	.583,490	*YT8T	14 MHz	766,800	*SV2HWR	1,368,836	*VE2XAA	3,001,790	
P33W (RA3AUU)	11,307,568	*LY20W	.527,095	*YU1R (YT1NP)	1.8 MHz	2,078,271	*UW1WU	1,116,960	*OM5X (OM5XX)	2,811,600	
6W/RK4FF	11,082,730	*HA4FV	.383,910	*CE3AA (XQ4CW)	7 MHz	1,738,842	*DO3QQ	.325,268	*OK2Z	2,658,306	
28 MHz				*PY2SEX	21 MHz	1,627,552	*ER2RM	.66,732	28 MHz	28 MHz	
PW2D (PY2ZXU)	2,100,886	*YT4A (YT1AA)	.119,848	*YTA8 (YU1EA)	3.5 MHz	1,030,786	*RN6LMK	3,015	*DH8B0A	182,970	
LU7HN	1,455,807	*OL1A (OK1CW)	.65,934	*UX5NQ	14 MHz	2,687,130	*UT8EU		*UT8EU	133,874	
E77A	.776,424	.60,528	*UX4U (US7UX)	1.8 MHz	2,220,330	*R29UMA	.329,640	*S54A	109,568		
21 MHz				*YU1G	7 MHz	329,832	*E78BJ	.78,288	21 MHz	21 MHz	
HK1R	5,133,440	T08A (R5GA)	.11,038,950	*UR3LPM	21 MHz	414,422	*UR5EFL	.94,132	*NP2/OL5Y (OK1FUA)	1,889,778	
ZX5J (A16V)	4,383,960	RG9A	.9,215,552	*UT3L	14 MHz	381,036	*AG6V	.48,216	*YU1AU	1,361,241	
CS2C (OK1RF)	3,798,404	FMSCD	.7,151,445	*LY1G	1.8 MHz	329,832	*UN8GV		*UN8GV	.907,092	
14 MHz				*Y02AQB	7 MHz	.33,120	*NX9G	.19,926	14 MHz	14 MHz	
HK1X	7,254,266	9K2RA (9K2RR)	.1,384,560	*4L4/UT5EO	21 MHz	.4,108	*Y02MJZ	.5,412	*CE3AA (XQ4CW)	1,627,552	
YW4D (YV1DIG)	5,903,471	TA2ZAF (OK1MU)	.1,379,664		1.8 MHz				*UA1AFT	.794,561	
4L8A	5,809,104	HK1NA (HK3TU)	.720,875		7 MHz				*DL9ZP	.649,490	
7 MHz					21 MHz		*ZL2GO	.682	7 MHz	7 MHz	
YU1LA	4,262,934	PY1NX	.5,225,754		14 MHz				*M5E (GØCKV)	.1,765,056	
LY5W	2,877,192	IP7U (IK7JWY)	.2,039,916		21 MHz				*YT2B	.932,790	
UA2F (U2AFB)	2,749,968	S56M	.1,589,805		1.8 MHz				*DL5KUD	.727,463	
3.5 MHz					7 MHz						
9A4OY (9A3NM)	1,098,720	YT9A	.3,846,269		21 MHz						
RSTV	.863,825	E03Q (UR30CW)	.3,153,904		14 MHz						
RW3WA	.501,456	S53F	.2,968,038		21 MHz						
1.8 MHz					7 MHz						
9A2AJ	.205,403	HK1N	.3,812,421		21 MHz						
IR4E (IK4ZHH)	.202,160	S52AW	.3,684,478		14 MHz						
SP9ATE	.161,952	PY1NB	.3,381,597		21 MHz						
SINGLE OPERATOR LOW POWER ALL BANDS					7 MHz						
*P49Y (AE6Y)	11,008,296				21 MHz						
*3V8SS (KF5EYY)	4,861,320				14 MHz						
*IR1Y (IK1HJS)	3,938,781				7 MHz						
*YT6W	3,706,561				21 MHz						
*UU4JMG	3,648,316				14 MHz						
28 MHz					7 MHz						
*CE2/VE7SV	.916,272	IKØHBN	.128,334		21 MHz						
*PY2MTS	.394,286	YR5N (Y05PBF)	.122,169		14 MHz						
*EA5AER	.318,336	DF2UU	.120,772		7 MHz						
21 MHz					21 MHz						
*NP2/OL5Y (OK1FUA)	1,889,778				14 MHz						
*LUSFR	1,387,650				7 MHz						
*YU1AU	1,361,241				21 MHz						
14 MHz					1.8 MHz						
RX9AF	1,580,091	*5B/US7IDX (RN300)	.4,948,784		7 MHz						
UA9LAO	1,499,510	*V26E (AB2ZE)	.4,872,526		21 MHz						
4K6FO	1,171,296	*I04T (IK4VET)	.4,623,804		1.8 MHz						
7 MHz					21 MHz						
*SP4JCQ	1,515,360	*PP5BZ	.4,212,870		14 MHz						
		*RT9S	.3,385,266		7 MHz						
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					1.8 MHz						
					7 MHz						
					21 MHz						
					1.8 MHz						
					7 MHz						
					21 MHz		</td				

2011 CQ WW WPX CW USA TOP SCORES

SINGLE OPERATOR HIGH POWER ALL BANDS		14 MHz		28 MHz		3.5 MHz		21 MHz	
K1LZ	7,448,658	*W4UAL (K4CWW)	145,167	*KOKX	.636,300	K3TW/4	..22,950	*N0SXX	..870,012
WW1WW (KØDO)	7,020,783	*W2AW (N2GM)	91,260	*K8BL	.551,502	K7DD	7,296	*WD4AHZ	..720,632
AJ11 (K8PO)	6,922,242	*N8II	398,184	*WL7/WZ7	.392,092			21 MHz	
WC1M	6,601,146	*W8IQ	279,725	*NE5L (N1CC)	.388,278			*WY6DX	12,096
KC3R (LZ4AX)	6,339,496	*K7ZD	272,082	*N1VVV	..1,711			*KN8D	2,628
28 MHz		7 MHz		21 MHz		ROOKIE ALL BANDS		14 MHz	
KZ5J	34,928	*W2EG	831,432	*N6EE	38,216	*K2CYE	265,203	*W8IQ	279,725
		*NA8V	386,559			*AB1OD	120,582	*K7ZD	272,082
		*AB1J	267,264			*K6VAR	.61,353	*NW4V	200,160
				*NW4V	200,160				
WN1GIV/4 (N4BP)	1,133,900			*N8HP	60,690				
NN5M	1,071,036			*AG6V	48,216				
W4SVO	549,504								
14 MHz		3.5 MHz		14 MHz		TRIBANDER/SINGLE ELEMENT HIGH POWER ALL BANDS		7 MHz	
NR5M (K5GA)	2,486,866	*W1WBB	222,981	WS2T/4 (N4PN)	2,603,720	*AB1J	267,264	*W1WBB	222,981
WB5AAR (N5RZ)	1,622,092	*NA4W (K4WI)	1,696	N1WR/3	2,245,446	*W1JDO	154,093		
N2MM	1,606,230	*K9UIY	99,372	NF4A	2,032,640				
		*K4FT	3,960	N4AK	2,004,695				
7 MHz		1.8 MHz		KY0W/6 (K6SRZ)	1,795,311				
NG5A (N1XS)	1,505,172	*W2RR (WA2AOG)	2,550						
KW20/1 (K2LE)	1,469,354								
KU8E/4	990,776								
3.5 MHz									
NCGCC (N6ZFO)	21,070								
KX9DX	6,527								
1.8 MHz									
NØTT	7,198								
SINGLE OPERATOR LOW POWER ALL BANDS									
*VK2/4	2,335,581								
*N5AW	2,331,771								
*WJB9/4	2,277,864								
*KS9K (N4TZ)	1,626,350								
*K3EL/2	1,569,482								
28 MHz									
*KN4Y	23,625								
*K2PS/3	18,392								
*AD5MN	1,380								
21 MHz									
*WB4TDH	445,612	*NØSX	870,012						

category for all bands was Joseph, UU2CW, with 1165 QSOs and 543 prefixes. Close behind was Ludek, OK2ZC, operating as OK3C. Ludek had 17 more contacts, but 9 fewer multipliers than Joseph. Just 2k points behind Ludek was TM3T operated by Rudolf, F5VBT. Goran, S5P2P, rounded out the scores over 1-million points. Fifth place in the World was also the top USA score —Julius, N2WN/4. Julius had set a goal of 700 QSOs and 300+ multipliers, which he easily exceeded.

In the Single Band QRP categories, it was Pedro, LU7HZ, and Francesco, IØUZF, within a few points on 10 meters. 15 meters was easily won by the nice prefix HG15IPA operated by Gabor, HA3JB. Gyula, HA6NW, led everyone on 20 meters, with Victor, UA6LCJ, and Vitas, LY5G, in the chase. The biggest Single Band QRP scores were on 40 meters. There was a close competition between winner Vladimir, YU1WC, and second place Andrea, 9A3JH. Each had an amazing 460 prefix multipliers!

The winner on 80 meters was HG6C operated by Gulyas, HA6IAM. Branko, S53AR, managed 152 contacts running QRP on 160 meters!

Single-Operator Assisted

The Assisted category is for single operators who used any help other than their own two ears to find and work stations. There were 917 entries in the Assisted category this time. Valery, R5GA, operated from the island of



Julius, HA6NY (front), and Anti, HA3OV (back), operating HG6N multi-two from a former shortwave broadcast station "Pusztamonostor."



HG6N antennas included independent HRRS 4/4/1 arrays (vertically and horizontally steerable 32-ele arrays with 1/2-wavelength separation with the lowest element at 1 wavelength). This was one of the last operations for these antennas.

2011 CQ WW WPX CW EUROPE TOP SCORES

Martinique as TO8A to outrun everyone and set a new record for North America in the All Band High Power category. Last year's winner RG9A (op Yuri, UA9AM) had to settle for second. The competition in Europe was between Yuri, EA5GTQ, operating as EF5Y, and Sergei, UT5UDX, operating from ER4A. The race for top USA score was "electric" between WU3A/1 (Gene, W3UA) and Steve, NY3A. Gene was happy that the local power company had fixed most of his noise problems. Steve had the thrill of experiencing a nearby lightning strike during storms on Friday evening.

The Assisted Single Band High Power categories were also hotly contested. On 10 meters, two stations finished just 0.3% apart! Faisal, 9K2RR, drove 9K2RA past Pavel, OK1MU, operating from TA2ZAF. Faisal's score is a new record for Asia and just short of the World record set back in 2001. On 15 meters, Soni, PY1NX, more than doubled the score of second place finisher IP7U (op Arturo, IK7JWY). There was a quite a bit of competition on 20 meters, with Boban, YT9A, leading the pack. Ruslan, UR3QCW, used the call EO3Q, to finish ahead of Vinko, S53F. Forty meters was won by Jaime, HK1N, who was narrowly ahead of Drago, S52AW. Felipe, PY1NB, also posted a very good score to finish third. Alajos, HA3LI, took the prize on 80 meters ahead of Ari, OH6MW. It was a pack of three stations on top band, with Sante, IK0HBN, just getting by YR5N and DF2UU.

The Assisted Low Power category is becoming increasingly popular among competitors and casual DXers alike. In the All Band category, Sergey, RN3QO, operated 5B/US7IDX to the win. This was a callsign that was copied incorrectly many times. Darrell, AB2E, went back down to V26E for the contest again this year and finished a very close second. Darrell's big band was 40 meters. The top USA Assisted All Band score was by Gary, N0SXX, from deep in the propagation black hole of South Dakota.

Overlay Categories

The WPX Contest has two overlay categories that are scored as separate contests within the contest. Single Op and Assisted entries are com-

bined into High and Low Power classes. The Tribander/Single-Element category is for stations that use a triband antenna for 10-20 meters and single-element antennas on the low bands. The winner of the TBSE High Power All Bands category was Michel, FM5CD. Second place was ED8A operated by Luis, EA8AY. Ivo, 9A3A, made a lot of people happy with his operation from T70A to finish third. 3V8SS was the winner for Low Power All Bands, followed by Yuri, RT9S.

The second overlay category is for operators who have been licensed less than three years. We had 36 Rookie entrants this year. The champion for the second year in a row was Mikko, OH8FKU, operating as OH8R. First licensed in 2008, this is Mikko's last year in the Rookie competition. Second place was Sergey, UB3DAY, who gave everyone a nice multiplier with the callsign UD3D. Sergey is 14 years old, has been

The Sun Disrupts WPX CW

By Carl Luetzelschwab K9LA

Old Sol played a nasty trick on the 2011 running of the CQ World-Wide WPX CW contest on May 28 and 29. For the days up to the contest, the *K* index was at or below 2. And with the 10.7 cm solar flux in a steady rise, propagation was expected to be very good.

But then a CME (coronal mass ejection) from an earlier solar eruption interacted with the Earth's magnetic field. This drove up the Kindex on both days. On the Monday after the contest the geomagnetic field was already returning to normal.

Thankfully this wasn't a major geomagnetic storm, but it did impact the ionosphere enough to drive the MUF (maximum usable frequency) down at least one band (most noticeably from 15m to 20m) during the contest period. For example, the Millstone Hill (Massachusetts) ionosonde showed a 3000 km maximum MUF of about 23 MHz early in the first day of the contest (the 28th), but then it took a significant nose dive for the remainder of the day. The F2 region began its recovery at the end of the contest.

Hopefully this year's event will fare better!

licensed for less than one year, and yet made over 1.5-million points!

Multi-Operator

The top Multi-Operator Single-Transmitter score was also one of the few World records set this year. CQ3A from the island of Madeira was driven by the operating team of OE1DIA, OM3GI, OM3RM, and OM7JG to over 5200

contacts in 48 hours! Repeating their second place finish from a year ago was the 7-operator team at C4N in Cyprus. The competition for top score in Europe was fierce, with three scores just over 10-million points. The winner was E7DX, followed closely by RU1A and HG6N. RU1A had 400 more contacts than the others, but could not match the multiplier or DX QSOs of the stations farther south. In the USA, it was NY4A repeating as the champi-

ons over a valiant effort from NY6N out on the West Coast.

The Multi-Operator Two-Transmitter competition was a worldwide affair with the top four scores coming from four different continents! It was the German team operating CR3L that earned the victory. They were interviewed during the contest by the local TV station! Second place went to the short call J7A, a field day style DXpedition to the island of Dominica. A band-

2011 CQ WW WPX SSB & CW COMBINED CLUB SCORES

UNITED STATES

Club	Entries	Score
POTOMAC VALLEY RADIO CLUB	102	213,570,606
NORTHERN CALIFORNIA CONTEST CLUB	113	154,720,033
YANKEE CLIPPER CONTEST CLUB	70	142,548,771
FRANKFORD RADIO CLUB	50	72,055,206
SOUTH EAST CONTEST CLUB	36	70,594,037
CENTRAL TEXAS DX AND CONTEST CLUB	27	68,614,803
FLORIDA CONTEST GROUP	48	59,385,250
SOUTHERN CALIFORNIA CONTEST CLUB	43	51,560,700
SOCIETY OF MIDWEST CONTESTERS	56	44,004,618
WESTERN WASHINGTON DX CLUB	34	38,851,484
TENNESSEE CONTEST GROUP	45	35,549,739
ARIZONA OUTLAWS CONTEST CLUB	69	34,401,827
MAD RIVER RADIO CLUB	23	27,537,807
CTRI CONTEST GROUP	13	26,040,485
NORTH TEXAS CONTEST CLUB	12	23,404,666
GRAND MESA CONTESTERS OF COLORADO	25	21,876,346
NORTH COAST CONTESTERS	11	21,488,007
OKLAHOMA DX ASSOCIATION	3	20,085,493
HUDSON VALLEY CONTESTERS AND DXERS	29	18,343,859
WILLAMETTE VALLEY DX CLUB	31	17,390,719
ALABAMA CONTEST GROUP	24	13,748,411
MINNESOTA WIRELESS ASSN	44	13,451,649
IOWA DX AND CONTEST CLUB	4	9,139,530
ORDER OF BOILED OWLS OF NEW YORK	11	6,278,800
ROCHESTER (NY) DX ASSN	9	5,938,078
LOUISIANA CONTEST CLUB	8	5,460,847
KANSAS CITY CONTEST CLUB	4	4,212,711
NORTHERN ROCKIES DX ASSOCIATION	5	4,030,120
SOUTHWEST OHIO DX ASSOCIATION	5	3,332,774
BERGEN ARC	11	2,583,828
SPokane DX ASSOCIATION	13	2,520,748
NORTHERN ARIZONA DX ASSN	5	2,284,975
DELARA CONTEST TEAM	8	2,112,710
MISSISSIPPI VALLEY DX/CONTEST CLUB	8	1,287,291
ALLEGHENY VALLEY RADIO ASSOCIATION	3	1,282,747
NORTH CAROLINA DX AND CONTEST CLUB	4	1,246,780
NASHOBA VALLEY AMATEUR RADIO CLUB	6	1,241,900
EASTERN IOWA DX ASSOCIATION	4	1,218,658
NORTHEAST WISCONSIN DX ASSN	3	1,186,685
MISSOURI DX/CONTEST CLUB	5	865,044
STERLING PARK AMATEUR RADIO CLUB	7	843,208
UTAH DX ASSOCIATION	7	807,723
WEST PARK RADIOS	10	573,612
METRO DX CLUB	7	498,933
SKYVIEW RADIO SOCIETY	7	470,036
WESTERN NEW YORK DX ASSOCIATION	7	456,489
PORTAGE COUNTY AMATEUR RADIO SERVICE	7	410,983
CENTRAL OREGON DX CLUB	3	400,619
CENTRAL ARIZONA DX ASSOCIATION	3	374,754
KANSAS CITY DX CLUB	6	338,665
GREAT SOUTH BAY AMATEUR RADIO CLUB	3	301,526
LOW COUNTRY CONTEST CLUB	5	274,377
SOUTH JERSEY DX ASSOCIATION	4	214,795
RARITAN BAY RADIO AMATEURS	3	181,386
CHESAPEAKE AMATEUR RADIO SERVICE INC	3	2,836

DX

BAVARIAN CONTEST CLUB	180	300,426,671
LU CONTEST GROUP	60	210,296,769
RHEIN RUHR DX ASSOCIATION	137	194,937,849
ARAUCARIA DX GROUP	45	177,720,383
CROATIAN CONTEST CLUB	51	138,412,799
SLOVENIA CONTEST CLUB	39	131,953,952
URAL CONTEST GROUP	35	131,694,253
UKRAINIAN CONTEST CLUB	107	120,550,475
RUSSIAN CONTEST CLUB	81	118,893,196
CONTEST CLUB ONTARIO	66	107,535,564
CONTEST CLUB FINLAND	40	77,000,666
KAUNAS UNIVERSITY OF TECHNOLOGY RADIO CLUB	50	63,562,094
HUNGARIAN DX CLUB	14	61,953,621
BLACK SEA CONTEST CLUB	82	61,163,110
VK CONTEST CLUB	18	56,476,948
LES NOUVELLES DX	16	56,169,454
FORTALEZA DX GROUP	5	56,070,283
DXARD DX COLOMBIA AMATEUR RADIO CLUB	11	53,974,850
LATVIAN CONTEST CLUB	31	50,800,697
WEST SERBIA CONTEST CLUB	8	46,743,214
BOSNIA AND HERZEGOVINA CONTEST CLUB	11	41,819,044
SOUTH URAL CONTEST CLUB	16	38,519,086
ORCA DX AND CONTEST CLUB	16	37,672,078
LITHUANIAN CONTEST GROUP	10	31,473,995
YU CONTEST CLUB	24	30,786,019
RIO DX GROUP	22	27,889,758
BELARUS CONTEST CLUB	19	27,541,950
SKY CONTEST CLUB	8	27,350,960
TARTU CONTEST TEAM	5	26,954,186
BELOKRANJEC CONTEST CLUB	8	26,763,950
WORLD WIDE YOUNG CONTESTERS	19	26,130,047
CONTEST GROUP DU QUEBEC	15	21,558,637
CHILTERN DX CLUB	10	21,202,926
CANTAREIRA DX GROUP	13	19,585,785
IRKUTSK RADIO CLUB	5	19,404,755
LA CONTEST CLUB	6	19,009,809
BRITISH COLUMBIA DX CLUB	6	18,565,994
SP DX CLUB	68	16,592,759

RADIO CLUB HENARES	11	14,779,871
CE CONTEST GROUP	13	14,682,295
FOX CONTEST CLUB	5	14,121,488
MARITIME CONTEST CLUB	15	11,531,662
VYTAUTAS MAGNUS UNIVERSITY RADIO CLUB	13	9,925,171
CS PETROLUL PLOIESTI	9	9,228,157
ARA AMIGOS RADIO ALTOARAGON	3	8,990,920
BESSARABIAN CONTEST CLUB	16	8,736,404
RADICLUBUL RADU BRATU	4	8,712,611
CENTRAL SIBERIA DX CLUB	8	8,302,541
CE DX GROUP	3	7,590,495
YO DX CLUB	24	7,132,823
ALRS ST PETERSBURG	13	6,743,435
TEMIRTAU CONTEST CLUB	9	5,977,420
ARCK	20	5,948,823
ATCC	7	5,757,925
NICOSIA CONTEST GROUP	3	5,509,282
SHAKHAN CONTEST CLUB	8	4,894,534
RADIO CLUB VENEZOLANO	7	4,875,029
CSTA BUCURESTI	4	4,817,853
LOMA DEL TORO CONTEST CLUB	3	4,712,050
ARIMI DX TEAM	3	4,702,762
YAROSLAVL CONTEST CLUB	7	4,345,536
UA2 CONTEST CLUB	7	4,246,386
SP CONTEST CLUB	7	4,111,812
GUARA DX GROUP	11	4,098,000
Z37M CONTEST TEAM	5	4,009,615
STAVROPOL REGION CONTEST CLUB	6	3,906,825
RU-QRP CLUB	11	3,607,480
VERENIGING VAN RADIO ZEND AMATEURS	5	3,563,034
TRANSILVANIA CONNECTION	5	3,359,388
SKZO SWEDISH SOUTHCOAST RADIOAMATEUR SOCIETY	3	3,211,272
YAMAL RADIO CLUB	5	2,752,801
DANISH DX GROUP	9	2,742,374
ARGO	6	2,726,506
SARATOVSKAYA OBLAST RADIO CLUB	10	2,701,498
NOVOKUZNETSK RADIO CLUB	14	2,655,170
RUSSIAN CW CLUB	13	2,613,902
SERPUKHOV RADIO CLUB	5	2,364,111
DONBASS	9	2,363,033
CZECH CONTEST CLUB	4	2,286,722
SK6AW HISSINGENS RADIOKLUBB	4	2,262,661
GIPANIS CONTEST GROUP	7	2,224,320
OREL RADIO CLUB	3	2,204,052
LOW LAND CRAZY CONTESTERS	3	2,175,240
FALKOPINGS RADIOLICUB	6	2,170,268
ORENBURG CONTEST CLUB	4	1,978,270
GRUPO DXXE	6	1,922,224
SAMARA RADIO CLUB	6	1,900,622
CDF GROUP - HORNET DX TEAM	5	1,844,317
VRHNIKA CONTESTERS	10	1,790,863
TOP OF EUROPE CONTESTERS	6	1,689,317
Vladimir Radio Club	12	1,596,354
ANTWERP CONTEST CLUB	3	1,580,570
RTTY CONTESTERS OF JAPAN	3	1,495,923
ARKTIKA	5	1,442,396
SAO PAULO CONTEST GROUP	3	1,409,728
MOSCOW RADIO CLUB	9	1,379,978
OBNIISK ORU CLUB	8	1,321,512
DNEPR CONTEST GROUP	5	1,293,027
SASKATCHEWAN CONTEST CLUB	4	1,242,354
CSM BAJA MARE	8	1,172,358
GDY GROUP	3	1,165,322
SIAM DX GROUP	4	1,087,243
EAST COAST CONTESTERS	3	1,082,226
BASHKORTOSTAN DX CLUB	8	945,995
OMSK RADIO CLUB	4	942,505
KEMEROVO RADIO CLUB	6	875,904
HAROS RADIO CLUB	4	864,061
IVANOVO DX CLUB	4	849,020
SPORT CLUB MIERCUREA-CIUC	6	809,360
599 CONTEST CLUB	4	794,277
PODOLSK	7	712,819
SKGLB BORAS RADIOMATORER	3	672,931
VERON HOOGVEEN A-26	3	669,696
UPPSALA RADIOKLUBB	3	595,878
BEEMSTER CONTEST CLUB	4	569,599
TURKISH SPECIAL WIRELESS ACTIVITY TEAM	4	561,580
SKQQ SODERTORN RADIOMATORER	3	524,704
VOLYN CONTEST GROUP	6	516,857
GERMAN DX FOUNDATION	4	492,340
NOVOSIBIRSK CONTEST CLUB	6	487,526
KIEV RADIO CLUB	3	469,853
ACTIVITY SMOLENSK GROUP	3	454,917
MAYCOPSKIJ RADIOLICUB	5	448,248
KALININGRAD RADIO CLUB	3	444,158
CLUB DE RADIO EXPERIMENTADORES DE OCCIDENTE	4	437,301
ARI LA SPEZIA	3	404,969
VERON TWENTE	3	313,680
CWJF GROUP	5	307,524
MICHURINSK CONTEST GROUP	3	298,167
R4F-DX-G	5	277,361
CS AEROSTAR BACAU	3	268,114
UR-QRP-CLUB	4	252,475
CS SILVER FOX DEVA	5	247,455
LKK LVL SHORTWAVE CLUB	6	234,457
VU CONTEST GROUP	5	231,843
STRUMBLE HEAD DX AND CONTEST GROUP	3	226,655
EDIT14	4	214,982
ARJ ARAD	4	189,462
WYTHALL RADIO CLUB	3	131,801
VORONEZH RADIO CLUB	4	61,219
RADIOCLUB QSO BANAT TIMISOARA	3	15,686

change error during a very high rate period cost PW7T valuable points and moved them down into third. Fourth place and the top Europe score came down to II9T in Sicily over 9A1A in Croatia. An extra 500 QSOs for II9T on 10 and 15 meters was too much for the 9A1A team to overcome. The USA winner was KD4D/3 operating from the station of N3HBX. These guys always do a great job in the WPX on both modes.

The Multi-Multi category features operating teams attempting to extract every point available from the bands. This year it was the team

at LZ9W that won the world over their friendly rival DR1A. The members of the Radio Club Rosario in Argentina did a great job reactivating LU4FM and achieving third place. NR4M dodged thunderstorms and NQ4I worked with only six operators in their battle for top USA score. This year it was NR4M getting the bragging rights.

Club Competition

The overall winner of the club competition was the Bavarian Contest Club from Germany.

CQ WW WPX CW CONTEST ALL-TIME RECORDS

The contest is held each year on the last full weekend of May. The All-Time Records are updated and published annually. Data shown below is: callsign, year of operation, total score, and number of prefix multipliers.

WORLD RECORD HOLDERS Single Operator

1.8	IH9/OL5Y('98).....	341,068	182
3.5	TM5Y ('08).....	1,983,366	567
7.0	3V8CB('10).....	10,758,020	805
14	UP2L('09).....	7,928,886	1043
21	ZX5J('05).....	7,061,000	920
28	ZX5J ('02.....	6,787,440	857
AB	EF8M('10).....	18,395,154	1026
Assisted	CN3A('09).....	12,900,240	943

Multi-Operator Single Transmitter

CQ3A('11).....	26,093,210	1285
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Multi-Operator Two Transmitters

EF8M('07).....	33,324,192	1256
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Multi-Operator Multi-Transmitter

HC8N('99).....	54,697,072	1264
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CLUB RECORD

Bavarian Contest Club('11).....	300,426,671
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U.S.A. RECORD HOLDERS Single Operator

1.8	K1ZM('95).....	40,446	107
3.5	W3BGN('08).....	641,092	332
7.0	KG1D('05).....	3,594,822	651
14	N2NC('06).....	5,418,630	915
21	NU5A('99).....	4,411,299	789
28	WW4M('01).....	2,547,046	674
AB	KC3R('09).....	9,597,400	806
Assisted	K3WW('04).....	5,997,446	806

Multi-Operator Single Transmitter

K1LZ('09).....	10,691,724	964
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Multi-Operator Two Transmitters

KM4M('04).....	16,283,745	1095
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Multi-Operator Multi-Transmitter

WE3C('09).....	21,910,252	1274
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WPX (Prefix) RECORD

LZ9W('11).....	1365
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QRP/p RECORD

P40W('97).....	4,018,208
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CONTINENTAL RECORD HOLDERS

AFRICA

1.8	IH9/OL5Y('98).....	341,068	182
3.5	7X0RY ('08).....	1,701,260	407
7.0	3V8CB('10).....	10,758,020	805
14	6W1SJ('09).....	6,755,364	924
21	ZX1Z('01).....	6,362,352	782
28	ZS4TX('01).....	4,602,028	722
AB	EF8M('10).....	18,395,154	1026

SOUTH AMERICA

1.8	HK1MW('11).....	18,300	50
3.5	YX3A('89).....	1,004,060	305
7.0	LU1IV('97).....	7,671,456	702
14	HK1X('11).....	7,254,266	1006
21	ZX5J('05).....	7,061,000	920
28	ZX5J('02).....	6,787,440	857
AB	PJ4A('11).....	16,272,730	1018

ASIA

1.8	4X4NJ('96).....	259,420	170
3.5	TA0/Z33F('02).....	1,452,552	348
7.0	ZC4LI('10).....	4,770,336	632
14	UP2L('09).....	7,928,886	1043
21	A45XR('99).....	6,557,697	843
28	HZ1AB('02).....	3,669,994	659
AB	4L0A('09).....	12,560,363	967

MULTI-OPERATOR SINGLE TRANSMITTER

AF	CQ3A('11).....	26,093,210	1285
AS	P33W('08).....	21,314,175	1145
EU	RU1A('09).....	13,838,256	1236
NA	8P4A('02).....	18,516,960	1056
OC	AH2R('01).....	11,541,420	957
SA	P49V('01).....	19,760,744	1034

EUROPE

1.8	SN7Q('08).....	339,542	307
3.5	TM5Y('08).....	1,983,366	567
7.0	CT1JLZ('09).....	6,075,936	816
14	4O3T('06).....	5,313,554	986
21	9H0A('02).....	5,389,008	933
28	9H0A('01).....	3,965,315	841
AB	CR2X('11).....	10,498,800	1040

MULTI-OPERATOR TWO TRANSMITTER

AF	EF8M('07).....	33,324,192	1256
AS	C4I ('09).....	14,632,800	1005
EU	ES9C('08).....	18,557,028	1266
NA	6Y1V('08).....	20,507,972	1108
OC	ZL6QH('05).....	13,312,768	952
SA	HC8N ('03).....	30,928,268	1187

NORTH AMERICA

1.8	VA1A('99).....	103,680	120
-----	----------------	---------	-----

MULTI-OPERATOR MULTI-TRANSMITTER

AF	CQ3L('10).....	28,736,154	1173
AS	A61AJ('02).....	42,766,232	1244
EU	DR1A('08).....	24,285,248	1313
NA	6Y2A('02).....	38,821,328	1274
OC	ZL6QH('04).....	16,143,840	1010
SA	HC8N('99).....	54,697,072	1264

OCEANIA

1.8	KH6ND('07).....	22,100	50
3.5	KH6ND('09).....	596,673	231
7.0	ZM3A('09).....	6,437,695	737
14	KH6ND('03).....	4,126,690	730
21	KH6ND('99).....	6,107,256	813
28	KH6ND('00).....	1,523,008	424
AB	KH7XS('09).....	9,124,899	879

QRPP

AF	5Y4FO('92).....	649,057	311
AS	ZC4BS('02).....	2,515,388	521
EU	LY5A('01).....	2,331,414	646
NA	TI5X('01).....	2,568,470	615
OC	FO8JP('86).....	572,131	259
SA	P40W('97).....	4,018,208	632

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Their 180 entries set a new all-time club score record with over 300-million points. The LU Contest Group continues to grow and moved up into second place. The Potomac Valley Radio Club pulled together 102 entries to take the top USA club spot. The Northern California Contest Club conducted some intra-club competitions to motivate their members and finished second. Of the 106 USA clubs that appeared in the logs, 45 did not meet the minimum of 3 entries to be listed in the results. Think about using the WPX as an activity project for your club to get people on the air and having fun.

Final Thoughts

The WPX Contest Committee is not pleased to issue so many yellow and red cards. With the rules available on the website in all major languages, there really is no excuse for participants not to know and understand the rules. If you aren't sure about something, please ask! Fair play and following the rules is in everyone's best interest.

There are many people who work to help make the WPX contest such a success. Thanks to DO4HAM, JH5GHM, K1PX, KN3A, VA3UG, and W2JU for their help in typing all of the paper logs. Ken, K1EA, keeps implementing improvements in the log checking software. F6BEE maintains the club name database. Jim, WI9WI, provided many hours of invaluable log-checking assistance. Thanks to Barry, W5GN, for handling the printing and mailing of over 1500 certificates.

Doug, K1DG, does a great job managing the award plaques. There were 65 plaques on offer for the WPX CW contest. The Assisted categories continue to grow in participation and popularity, but we only have four plaques available for these categories. Please contact Doug (k1dg@cqwpx.com) if you are interested in sponsoring a plaque.

Not everyone enjoys dancing with the e-mail robot to submit their contest log. Tzeto, LZ2FQ, helped create a new web page that provides a friendlier alternative for uploading and checking your log. Try it at <http://www.cqwpx.com/logcheck/>. There is also a web page to convert your ADIF format log into the proper file for submitting as a contest log. Expanded results of the contest are at www.cq-amateur-radio.com. Rules for the 2012 contest are also there, and in the Feb. issue.

The 2012 WPX CW Contest will be held on May 26 and 27. There are some small rule changes for the 2012 contest so please read the rules very carefully and also visit the frequently asked questions page on the CQ WPX Contest website (www.cqwpx.com). The log deadline is June 20, 2012. Submit your log through the upload page on the website or by e-mail to cw@cqwpx.com. Let's hope for better conditions in 2012!

73, Randy, K5ZD

(Continued on page 104)

Logging Accuracy

We received a record 3,869 logs for WPX CW 2011 containing 2,243,673 total QSOs. The log checking software very patiently cross-checked each callsign and exchange in every log against the other received logs. An amazing 84.2% of all QSOs were able to be cross-checked with 95.6% of those being confirmed as good calls and exchanges. That's an amazing level of accuracy by everyone!

There were 17,177 QSOs with unique callsigns. A unique call is one that appears in only one log. History has shown that many of these callsigns are the result of copying errors. Between the computer checking and some manual investigation by the log checking team, we were able to confirm 73.9% of these were indeed errors. This extra level of checking definitely rewarded those stations that copy and log information accurately.

Even with this high level of checking, 1080 entries, or about 30%, experienced score reductions of 5% or less. The median score reduction is 8.4%. Everyone who submitted a log should have received an e-mail with their log-checking report. If not, please send a request to <director@cqwpx.com>.

There were 162 stations that produced logs with no score reductions. The top "golden" logs (with number of QSOs) were: K0RC (473), RA3FD (357), RO9O (303), JE2UFF (231), and HA5LZ (229).

It was a little more difficult on the transmitting side. Stations that caused no errors in other logs were: K8VUS (76), N3JNX (74), LA5HPA (53), DL7UXG (46), and DJ1CW (35).

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Dima, UA3AGW (center), attended the Dayton Hamvention® and then went on to operate WPX CW from Alaska using the call KL3/AB8CK. He is joined here by Frank, WL7O (left), and Randy, KL7Z.

Number groups after call letters denote following: Band (A = all), Final Score, Number of QSOs, and Prefixes. An asterisk (*) before a call indicates low power. Certificate winners are listed in bold-face. (Note that the country names and groupings reflect the DXCC list at the time of the contest.)

2011 WPX CW RESULTS

SINGLE OPERATOR

NORTH AMERICA

United States		7,448,658		2633		938		WANZ		181,249		329 211		*NYST		189,185		442 241		*K7WP		914,475		1033 445		KOAP		2,464 30		28													
WW1WW		7,020,783		2600		921		W200/4		159,562		413 247		*K0GEO/5		140,698		400 206		*W7YAO		296,018		503 283		AC0E		50 5		5													
AJ1I		6,922,242		2559		894		(OP: K0D0)		W9WI/4		120,467		233 179		*NF5Y		114,400		313 200		*N1X1P/7		196,988		512 242		WOTY		14 3,913		45 43											
WC1M		6,601,146		2356		907		K4EU		83,496		230 168		*NSKWN		109,180		385 206		*N6NR/7		196,420		470 244		*NOTT		1.8 7,198		84 59													
AK1W		5,409,504		2237		864		K70M/4		72,660		173 173		*KE5AN		77,000		273 175		*W7XA		165,984		397 247		*KT8R		A 932,358		1143 474													
NW7R/1		5,059,015		2195		845		K6C4UW		60,384		197 148		*KK5JY		73,920		254 176		*NO7R		142,200		340 237		*W0ETT		845,692		1048 452													
W1UU		784,787		792		412		N4AAI		49,876		175 148		*WAVSK		58,032		232 156		*AB7RW		123,610		254 235		*K0RC		320,626		473 308													
NM1JY		548,250		670		375		NA4C		37,146		165 123		*W5PO		17,892		92 77		*AF6RG/7		119,280		362 210		*K0VBU		215,988		520 246													
K1NEF		449,980		490		298		N4GI		28,240		162 116		*W05YI		15,372		106 84		*W07V		102,765		344 195		*K7C7O/0		105,395		392 197													
KM1W		217,617		307		251		ND4DX		21,534		113 97		*K05JHE		14,276		115 86		*K72G		82,770		338 186		*N7DR/0		92,340		215 135													
W1RM		185,194		252		206		WN1GIN/4		21		1,133,900		1213 580		*AD5MN		28		1,380 24		23 23		*N7VS		63,960		268 164		*K50M		845,692		1048 452									
K2Q/M		144,759		292		219		W4SV0		549,504		802 432		*K05J		290		11 10		*W7QN		46,008		205 142		*K0DA		78,727		249 181													
BK1D00		54,144		180		144		AC4TT		236,236		453 308		*NV5M		21		48 6		6 6		*A5A7L		37,647		131 89		*K0TC		318,092		536 236											
W5WMW/1		21		341,506		553		361		(OP: W1K6X)		*W6TK		1,117,200		1129 490		*WA0WW/7		28,665		137 393		*K0VM		24,380		148 115		*K0W		63,910		220 154									
W10HM		14		6,903		63		59		(OP: W1K6X)		*W6TX		1,068,592		1286 446		*AK7O		22,581		150 117		*W6GM		17,017		123 93		*K0S0T		5,989		58 53									
BK2W/1		7		1,469,354		814		502		K0FJ		99,070		800 457		*W6TK		694,476		974 404		*AD7X		20,592		126 99		*K8T		54,096		235 138											
*W2JU/1		A		420,078		521		318		*W2K2G/4		7		99,070		800 457		*W6TK		1,171,200		1129 490		*WA0WW/7		28,000		499 300		*K7MH		21 6,804		68 331		*K0PK		53,972		123,993		326 207	
*W1CE		A		391,716		569		324		*W9PB/4		2,277,884		159,612		*W6TK		694,476		974 404		*W6TK		125,490		147 122		*W6TK		1,068,592		147 122		*W6TK		1,068,592		147 122					
*W1CT1AGF		14		240		16		15		*W4V		1,040,800		893,226		131,200		275 160		*W6TK		1,172,000		1129 490		*W6TK		1,172,000		1129 490		*W6TK		1,172,000		1129 490							
*AB1J		7		267,264		371		261		*W4RQ/4		1,030,228		800,155		117,303		275 183		*W6TK		1,040,800		91,000		141 114		*W6TK		1,030,228		141 114		*W6TK		1,030,228		141 114					
*W2AAB		14		213,150		371		294		*AC6NN/4		29,106		127 99		*W7SDW/6		10,375		111 100		*W6TK		1,05,298		89,080		141 114		*W6TK		1,05,298		141 114									
*N2JJ		11,154		78		78		K8LF/4		23,085		114 95		*W6UB/4		8,578		163,100		130 101		*W6TK		1,02,148		93,170		141 114		*W6TK		1,02,148		141 114									
*W2EG		7		83,432		629		404		*ND4V		22,578		119 106		*W6TK		7,006		71 62		*W6TK		1,02,148		93,170		141 114		*W6TK		1,02,148		141 114									
*NE2C		37,800		109		105		K4AR		21,762		105 93		*W6TK		20,293		107 91		*K06R		6,392		68 62		*W6TK		1,02,148		93,170													

*C02JD	7	Cuba	76,384	572	328	*R8US	*	69,678	175	158	*JA1EMO	*	48,910	162	134	*JR4FLW/4	21	9,384	80	68	*HS0ZEE	*	418,608	481	306
*C06CAC			74,997	161	117	*RF8R		30,368	112	104	(OP: RW9RW)		33,770	137	110	*J4AVO	*	3,358	46	46	*HS5AC	*	67,548	187	156
*H13EPR	21	Dominican Republic	114,270	236	195	*R9AMX	*	25,970	108	106	*U9FEG	*	24,661	126	91	*JR4GPA	14	406,245	493	365	*E21EIC/4	28	55,748	249	154
*H13TT	7		266,463	310	213	*R9VCX	*	15,054	84	78	*R9AEE	*	24,000	120	96	*JA4AOR	*	1,988	29	29	*E20WXA	21	22,089	121	111
						*R9AE	3.5	238,612	235	187	*R9AEE	*	23,788	92	76	*JF1TNN					(OP: HSADD)				
		Greenland				RW0CR	A	2,737,049	1502	679			21,588	88	80	J1WVWU/1		2,158	25	25	*HS8JYX	*	3,648	60	48
*OX3JZ	A	3,080	42	40	ROFA	A	1,509,819	1188	104	*JA1HGS	*	18,966	102	77	*JA1LZK	*	18,486	85	84	*J46WH	*	67,548	187	156	
		Grenada				RO1KE5JA	*	946,827	1003	441	*U9FEG	*	18,486	85	84	J1LIRD	*	17,708	105	76	JH0FU	*	227,758	366	263
*J39BS	A	2,040,016	1372	536	RA0GU	*	338,352	824	228	*R9VCX	*	16,683	103	83	*JR1RK	*	15,352	80	76	J6CAJ	*	117,876	336	209	
		Honduras				UA0CNX	*	298,109	526	259	*R9AEE	*	16,320	84	64	J1H1MC	*	15,352	80	76	J6AWO	14	5,175	45	45
*H09R	21		977,340	879	455	UA0AZM	*	105,000	237	175	*R9AEE	*	15,352	80	76	*J6CYL	A	151,580	354	220	*HS7AT	14	5,175	45	45
		Mexico				UA0BC	28	50,864	182	136	*R9AEE	*	10,660	75	65	J1WVWU/1					(OP: E21IZC)				
XE1MM	A	1,167,460	972	434	UA0BR	14	484,366	554	398	*R9AEE	*	10,432	69	64	JH6WHN	28	54,194	240	158	*E20YLM	3.5	3,544	27	3	
XE2S			947,542	849	383	RA0UF	*	27,346	136	113	*R9AEE	*	9,620	86	74	JH6OPP	*	27,209	224	163	UK Bases on Cyprus	14	4,479,640	2004	816
XE1TVW	14		13,268	105	97	RU0BL	7	44,523	124	97	*R9AEE	*	9,558	68	59	JJ6TWQ					(OP: HSADD)				
XE2MX	A	240,000	318	265	*UA0BD	A	490,495	664	373	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)					
XE1AY			233,514	465	326	RA0WL	*	371,280	531	273	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
XE2AI			110,100	262	150	RU0UA	*	122,850	332	189	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
XE1FZE			4,760	44	40	RU0UA	*	90,652	248	173	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
		Puerto Rico				RU0UV	*	87,057	201	153	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
NP4Z	A	8,292,468	2897	922	RU0LSK	14	7,156	136	113	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)					
KP4EJ			56,760	155	129	RU0ST	*	22,477	103	91	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
KP4JRS	28		12	2		*UA0CMG	*	49,856	152	152	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
		U.S. Virgin Islands				RU0UW	*	27,500	100	98	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
*NP2/OL5Y	21		1,889,778	1389	627	RU0UW	*	21,311	113	101	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
*WP2/OL0A	3.5		259,164	286	207	RU0UW	*	19,621	113	101	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
		AFRICA				RU0UW	*	17,281	72	57	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
		Canary Islands				RU0UW	*	15,972	93	82	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
EF8FM	A	17,255,785	3897	1105	(OP: RD59A)	*UA0KBG	*	32,809	137	109	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
ED8A			6,754,854	2291	196	(OP: RD59A)		249,006	478	282	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
EG8DDC			15,688	63	53	*TA3X	14	420,714	477	318	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
*EA8BQM	A	914,112	673	432	*YM3KB	*	87,101	193	161	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)					
EC8AFM			311,300	357	305	(OP: TA3DQJ)		135,462	211	193	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
*EA8COW	21		67,340	157	148	*R9AEE	*	100,534	243	167	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
*ED8DA	14		451,484	545	347	*R9AEE	*	1,171,296	886	498	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
		Morocco				*R9AEE	*	21,914	121	114	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
						*R9AEE	*	21,914	121	114	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
						*R9AEE	*	21,914	121	114	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
						*R9AEE	*	21,914	121	114	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
						*R9AEE	*	21,914	121	114	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
						*R9AEE	*	21,914	121	114	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
						*R9AEE	*	21,914	121	114	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
						*R9AEE	*	21,914	121	114	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
						*R9AEE	*	21,914	121	114	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
						*R9AEE	*	21,914	121	114	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
						*R9AEE	*	21,914	121	114	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
						*R9AEE	*	21,914	121	114	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
						*R9AEE	*	21,914	121	114	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
						*R9AEE	*	21,914	121	114	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
						*R9AEE	*	21,914	121	114	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
						*R9AEE	*	21,914	121	114	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
						*R9AEE	*	21,914	121	114	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
						*R9AEE	*	21,914	121	114	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
						*R9AEE	*	21,914	121	114	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
						*R9AEE	*	21,914	121	114	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
						*R9AEE	*	21,914	121	114	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
						*R9AEE	*	21,914	121	114	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
						*R9AEE	*	21,914	121	114	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
						*R9AEE	*	21,914	121	114	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
						*R9AEE	*	21,914	121	114	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
						*R9AEE	*	21,914	121	114	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
						*R9AEE	*	21,914	121	114	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
						*R9AEE	*	21,914	121	114	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
						*R9AEE	*	21,914	121	114	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
						*R9AEE	*	21,914	121	114	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
						*R9AEE	*	21,914	121	114	*R9AEE	*	9,558	68	59	J1WVWU/1					(OP: HSADD)				
						*R9AEE	*	21,914	12																

9A04JB	-	4,034,099	2305	881	*G4RK0	-	46,816	223	176	*UA3H	-	70,272	214	183	*TC1DX	European	Turkey	A	6,030	72	67	*DL5CL	*	203,310	350	270
9A80W	-	404,736	589	384	*G2HDR	-	36,660	183	156	*RN3AB	-	33,153	140	129	*OY/PA2AM	Faroe Islands	998	A	988	27	26	*DL6DWW	*	198,144	380	288
9A30B	-	140,148	206	229	*G4HBI	-	24,897	150	129	*RL2A	-	31,030	136	107	*OY/PA2AM	Finland	998	A	4,761,444	2706	894	*F30L	*	190,743	353	293
9A4W4	28	83,763	307	227	*G4DXB	-	21,182	148	119	*UA3UHZ	-	22,149	114	107	*OY/PA2AM	998	A	4,599,200	2708	908	*DM2RN	*	187,803	387	271	
9A31H	14	240,828	429	292	*G3PND	-	9,869	77	71	*RX3MM	-	21,186	118	107	*OY/PA2AM	998	A	3,662,832	2505	822	*DJ3XD	*	175,440	370	258	
9A40Y	3.5	1,098,720	949	504	*G0WH0	-	9,910	100	80	*R2VUYU	-	20,412	91	80	*OY/PA2AM	998	A	20,095	110	101	*DL7UGO	*	173,119	373	258	
9A2AJ	1.8	205,403	378	263	*MS/SP3CW	14	479,622	710	473	*R3UJM	-	17,695	110	101	*OY/PA2AM	998	A	17,695	86	83	*DL1NUX	*	170,914	293	270	
9A2VR	A	881,478	886	518	*MXB7WC	7	513,383	498	391	*UA3VLO	-	17,679	110	101	*OY/PA2AM	Finland	998	A	4,761,444	2706	894	*F5FLW	*	170,154	401	274
*9A8A	-	224,064	429	288	(OP: D6SRR)	-	105,317	311	241	*G4ZOB	-	468,660	458	365	(OP: 2E0CVN)	998	A	4,599,200	2708	908	*DM2FD	*	135,456	351	249	
*9A4AS	-	105,317	311	241	*M0MCV	-	15,862	87	77	(OP: D6SRR)	-	1,127	23	23	(OP: 2E0CVN)	998	A	17,695	86	83	*DL6NW	*	129,528	343	262	
9A6Z	-	31,902	145	129	(OP: D6SRR)	-	15,675	107	95	(OP: D6SRR)	-	18	3	3	(OP: 2E0CVN)	998	A	17,695	86	83	*DC9MA	*	127,508	361	254	
9A2GA	-	87,193	290	223	(OP: D6SRR)	-	105,317	311	241	(OP: D6SRR)	-	10,050	26	25	(OP: 2E0CVN)	998	A	17,695	86	83	*DF1LX	*	125,236	296	236	
9A3VM	28	272,691	626	369	(OP: D6SRR)	-	105,317	311	241	(OP: D6SRR)	-	10,050	26	25	(OP: 2E0CVN)	998	A	17,695	86	83	*DL1TPY	*	121,756	323	244	
9A5ST	-	87,193	290	223	(OP: D6SRR)	-	105,317	311	241	(OP: D6SRR)	-	10,050	26	25	(OP: 2E0CVN)	998	A	17,695	86	83	*DP4M	*	120,342	393	222	
9A8W	21	327,936	573	384	(OP: D6SRR)	-	105,317	311	241	(OP: D6SRR)	-	10,050	26	25	(OP: 2E0CVN)	998	A	17,695	86	83	*D4K3P	*	120,199	290	217	
9A4MF	-	40,755	181	165	(OP: D6SRR)	-	105,317	311	241	(OP: D6SRR)	-	10,050	26	25	(OP: 2E0CVN)	998	A	17,695	86	83	*D3D3W	*	120,171	262	213	
9A4R	14	35,164	168	149	(OP: D6SRR)	-	105,317	311	241	(OP: D6SRR)	-	10,050	26	25	(OP: 2E0CVN)	998	A	17,695	86	83	*D4J4M	*	75,992	217	184	
9A2VX	7	48,672	167	144	(OP: D6SRR)	-	105,317	311	241	(OP: D6SRR)	-	10,050	26	25	(OP: 2E0CVN)	998	A	17,695	86	83	*D4L6KO	*	67,614	228	177	
9A2XW	-	1,050	26	25	(OP: D6SRR)	-	105,317	311	241	(OP: D6SRR)	-	10,050	26	25	(OP: 2E0CVN)	998	A	17,695	86	83	(OP: DL8UKE)	*	67,614	228	177	
Czech Republic																										
OK8DD	A	1,053,102	984	501	Estonia	A	5,527,656	3051	942	RA1TU	14	879,424	1043	604	(OP: ES2RR)	998	A	4,761,444	2706	894	*OG2B	*	64,638	232	171	
OK1AY	-	696,420	984	501	RA1TU	14	879,424	1043	604	RA1TU	-	164,160	442	288	(OP: ES2RR)	998	A	4,761,444	2706	894	*OG8X	*	59,724	190	158	
OL4M	-	638,580	765	435	RA1TU	14	879,424	1043	604	RA1TU	-	12,922	76	71	(OP: ES2RR)	998	A	4,761,444	2706	894	*OG5NE	*	58,136	225	172	
OK2Q0	-	169,800	359	283	RA1TU	14	879,424	1043	604	RA1TU	-	408	12	12	(OP: ES2RR)	998	A	4,761,444	2706	894	*OG3R	*	58,136	225	172	
OK1JVT	-	148,200	336	260	RA1TU	14	879,424	1043	604	RA1TU	-	408	12	12	(OP: ES2RR)	998	A	4,761,444	2706	894	*OG3A	*	58,136	225	172	
OK1FR	-	28,700	154	140	RA1TU	14	879,424	1043	604	RA1TU	-	998,283	1090	507	(OP: ES2RR)	998	A	4,761,444	2706	894	*OG3D	*	58,136	225	172	
OK1XC	28	60,929	235	191	RA1TU	14	879,424	1043	604	RA1TU	-	461,448	274	377	(OP: ES2RR)	998	A	4,761,444	2706	894	*OG3E	*	58,136	225	172	
OK2ABU	-	14,040	116	104	RA1TU	14	879,424	1043	604	RA1TU	-	392,010	605	365	(OP: ES2RR)	998	A	4,761,444	2706	894	*OG3F	*	58,136	225	172	
OL92	14	2,054,448	1622	792	RA1TU	14	879,424	1043	604	RA1TU	-	369,171	602	363	(OP: ES2RR)	998	A	4,761,444	2706	894	*OG3G	*	58,136	225	172	
OK7GU	7	466,716	442	356	RA1TU	14	879,424	1043	604	RA1TU	-	151,960	357	262	(OP: ES2RR)	998	A	4,761,444	2706	894	*OG3H	*	58,136	225	172	
OK1EP	-	284,796	342	293	RA1TU	14	879,424	1043	604	RA1TU	-	120,887	290	221	(OP: ES2RR)	998	A	4,761,444	2706	894	*OG3I	*	58,136	225	172	
OL8W	3.5	357,738	493	327	RA1TU	14	879,424	1043	604	RA1TU	-	103,246	269	209	(OP: ES2RR)	998	A	4,761,444	2706	894	*OG3J	*	58,136	225	172	
OK2SAR	1.8	95,160	299	195	RA1TU	14	879,424	1043	604	RA1TU	-	53,928	205	168	(OP: ES2RR)	998	A	4,761,444	2706	894	*OG3K	*	58,136	225	172	
OK1LP	A	2,747,750	1828	725	RA1TU	14	879,424	1043	604	RA1TU	-	12,922	76	71	(OP: ES2RR)	998	A	4,761,444	2706	894	*OG3L	*	58,136	225	172	
OK2ZI	-	2,658,306	1841	758	RA1TU	14	879,424	1043	604	RA1TU	-	67,195	836	559	(OP: ES2RR)	998	A	4,761,444	2706	894	*OG3M	*	58,136	225	172	
OK1TA	-	1,537,596	1160	621	RA1TU	14	879,424	1043	604	RA1TU	-	141,000	334	282	(OP: ES2RR)	998	A	4,761,444	2706	894	*OG3N	*	58,136	225	172	
OK1CRM	-	982,940	979	739	RA1TU	14	879,424	1043	604	RA1TU	-	94,350	265	222	(OP: ES2RR)	998	A	4,761,444	2706	894	*OG3O	*	58,136	225	172	
OK2OK	-	966,350	984	550	RA1TU	14	879,424	1043	604	RA1TU	-	3,478	54	47	(OP: ES2RR)	998	A	4,761,444	2706	894	*OG3P	*	58,136	225	172	
OK2BUT	-	923,418	1023	522	RA1TU	14	879,424	1043	604	RA1TU	-	1,203,475	1215	575	(OP: ES2RR)	998	A	4,761,444	2706	894	*OG3Q	*	58,136	225	172	
OK2KBF	-	368,725	552	343	RA1TU	14	879,424	1043	604	RA1TU	-	2,328,480	182	735	(OP: ES2RR)	998	A	4,761,444	2706	894	*OG3R	*	58,136	225	172	
OK1KHE	-	53,787	602	357	RA1TU	14	879,424	1043	604	RA1TU	-	2,138,112	226	690	(OP: ES2RR)	998	A	4,761,444	2706	894	*OG3S	*	58,136	225	172	
OK2ZB	-	330,008	519	332	RA1TU	14	879,424	1043	604	RA1TU	-	858,270	261	469	(OP: ES2RR)	998	A	4,761,444	2706	894	*OG3T	*	58,136	225	172	
OK2EA	-	506,751	729	409	RA1TU	14	879,424	1043	604	RA1TU	-	69,175	319	373	(OP: ES2RR)	998	A	4,761,444	2706	894	*OG3U	*	58,136	225	172	
OK2KZG	-	46,040	685	413	RA1TU	14	879,424	1043	604	RA1TU	-	5,009,445	289	915	(OP: ES2RR)	998	A	4,761,444	2706	894	*OG3V	*	58,136	225	172	
OK2KSGY	-	256,743	471	333	RA1TU	14	879,424	1043	604	RA1TU	-	1,602,900	162	650	(OP: ES2RR)	998	A	4,761,444	2706	894	*OG3W	*	58,136	225	172	
OK1KMKU	-	202,708	337	271	RA1TU	14	879,424	1043	604	RA1TU	-	328,308	558	327	(OP: ES2RR)	998	A	4,761,444	2706	894	*OG3X	*	58,136	225	172	
OK2BND	-	194,970	298	291	RA1TU	14	879,424	1043	604	RA1TU	-	325,584	505	336	(OP: ES2RR)	998	A	4,761,444	2706	894	*OG3Y	*	58,136	225	172	
OK2BPN	-	80,460	222	180	RA1TU	14	879,424	1043	604	RA1TU	-	277,915	495	341	(OP: ES2RR)	998	A	4,761,444	2706	894	*OG3Z	*	58,136	225	172	
OK4BX	-	67,694	231	187	RA1TU	14	879,424	1043	604	RA1TU	-	255,780	373	348	(OP: ES2RR)	998	A	4,761,444	2706	894	*OG3A	*	58,136	225	172	
OK2BME	-	57,918	224	197	RA1TU	14	879,424	1043	604	RA1TU	-	250,666	454	311	(OP: ES2RR)	998	A	4,761,444	2706	894	*OG3B	*	58,136	225	172	
OK1TAF	-	48,601	138	131	RA1TU	14	879,424	1043	604	RA1TU	-	117,588	335	239	(OP: ES2RR)	998	A	4,761,444	2706	894	*OG3C	*	58,136	225	172	
OK2UQ	-	15,023	97	83	RA1TU	14	879,424	1043	604	RA1TU	-	93,120	248	192	(OP: ES2RR)	998	A	4,761,444	2706	894	*OG3D	*	58,136	225	172	
OK1KJU	-	15,023	97	83	RA1TU	14	879,424	1043	604	RA1TU	-	58,477	249	222	(OP: ES2RR)	998	A	4,761,444	2706	894	*OG3E	*	58,136	225	172	
OK1KDR	28	24,912	171	144	RA1TU	14	879,424	1043	604																	

*HG2011P	*	377,664	460	336	*Z33A	14	361,988	678	418	*SP9ERL	*	10,512	78	73	*YU1ED	*	58,136	196	169	*EA7AZA	A	105,570	304	230	
*HA4FV	3.5	383,910	553	335	*Z31WW	7	86,636	278	144	*SP1MWN	*	6,790	58	53	*YT1CC	*	3,476	48	44	*EA7CWA	*	77,448	201	168	
*TF3DC	A	240	10	10	*Z350MM	7	81,025	194	175	*SP9HP	*	8,852	38	36	*YU5GBT	*	1,711	30	29	*EA7VJ	*	5,828	64	62	
*TF3SG	*	108	9	9	Iceland	Moldova	280,160	502	340	*SP2EWS	*	2,706	35	33	*YT2C2M	*	1,305	30	29	*EA7GV	21	78,729	217	161	
TF3Y	28	30,738	209	141	ER0FEO	A	439,236	685	378	*SP1NWK	*	1,692	38	36	*YU8PSB	*	1,152	24	24	Sweden	A	1,902,762	1646	666	
*TF3DC	A	240	10	10	*ER5AA	A	61,759	189	151	*SP9MDY	*	1,519	32	31	*YU1AU	21	1,361,241	1244	697	SEBX	*	1,465,128	1347	567	
*TF3SG	*	108	9	9	*ER1DA	A	97,232	243	206	*SP2DSC	*	1,160	21	20	*YU7KMK	*	11,840	209	254	(OP: SM5MDD)	*	1,208,880	1135	584	
EI4DW	A	102,520	289	220	*ER3ZZ	A	35	16,157	112	107	*SP9EM	*	840	20	20	*YU6C	*	87,668	237	212	SE6Y	*	626,635	771	559
*EI7CC	A	28,356	168	139	*ER100	3.5	61,759	189	151	*SP9MDY	*	1,160	21	20	*YU7KMK	*	11,840	209	254	EI4DW	*	543,568	836	424	
*EI4HJ	28	7,168	76	64	Ireland	A	8,156,976	3555	1099	*SP2AVC	*	22,876	167	133	*YU1BN	*	100	10	10	SM0BSO	*	416,245	569	415	
*EI4HQ	7	370,560	386	320	403A	A	8,238,300	3126	1050	*SP2CM	*	19,065	141	123	*YU1ARL	*	266,760	341	285	SM7BHM	*	256,903	528	316	
IR4X	A	8,238,300	(OP: IZ3EYZ)	PA5WT	A	821,700	1036	550	*SP2FEU	*	3,381	49	47	*YU7IM	*	52,520	135	130	TS3Q	*	118,818	255	207		
IK8YJO	*	254,904	415	312	PA3AAV	A	256,432	489	341	*SP3GXH	21	108,052	268	238	*YU1Q	3.5	25,250	120	101	(OP: SM5COP)	*	26,450	139	115	
IK4ZGO	*	111,987	266	207	PA1TX	A	244,372	445	307	*SP9BNM	*	18,128	121	103	*YU4AA	*	119,848	276	211	(OP: YT1AA)	*SC3N	A	1,292,193	1332	567
IK3ETU	*	64,575	200	175	PA0WRS	A	229,350	362	278	*SP2EFL	*	2,812	38	38	*YU7IM	*	52,520	135	130	(OP: YU1FG)	(OP: EA8CN)	*	1,074,944	1247	544
IK2KD	*	18,706	102	94	PA1BX	A	40,612	167	142	*SP8LXE	*	1,92	16	16	*YU1Q	*	25,250	120	101	(OP: SM5C5S)	*	465,360	743	420	
IK5SAU	*	1,980	33	33	PA5TST	A	13,440	102	96	*SP6PA	14	419,983	632	437	*YU9AP	A	868,496	1088	527	(OP: SM5KK)	*	991,648	1117	532	
IZ1RFL	7	467,250	521	350	*PG2AA	A	726,336	910	468	*SP7JULH	*	48,100	210	185	*YU9AP	A	76,320	235	212	(OP: SM5DF)	*	675,364	1254	436	
IR4E	1.8	202,160	372	266	PA3GWN	A	628,082	811	523	*SP8CXN	*	19,964	136	124	*YU9XR	14	356,720	430	343	(OP: SM5DQE)	*	608,798	850	433	
*IR1Y	A	3,938,781	1921	867	*PA3CVI	A	336,030	570	345	*SP4AZA	*	1,770	24	22	*YU9MJ	3.5	4,459	50	49	(OP: SM3CER)	*	571,470	708	443	
*IZ3DBA	*	1,040,355	1154	549	*PA0GRU	A	220,030	492	313	*SP4AJCO	7	1,515,360	1094	560	*YU9MJ	*	7555	*	1,074,944	Slovenia	*	517,470	708	443	
*I0ZUT	*	588,306	683	426	*PA3AIN	A	215,450	472	310	*SP6OJE	*	1,283,997	1006	533	*YU9AP	A	6,763,416	2936	968	(OP: SM5BKK)	*	465,360	743	420	
*II2E	*	463,872	651	384	*PA7RA	A	207,975	450	325	*SP5SCNA	*	838,992	709	462	*YU9AP	A	1,211,427	1206	603	(OP: SM5DF)	*	410,260	671	365	
*IK4UJN	*	399,669	562	381	*PA0ORB	A	150,336	377	288	*SP9N9	*	197,891	297	247	*YU9AP	A	1,076,196	1075	526	(OP: SM5DXR)	*	330,368	580	356	
*IK2XB	*	120,745	248	205	*PA2PCH	A	126,492	340	249	*SP6JY	*	218,040	442	350	*YU9AP	A	482,469	733	417	(OP: SM5C5X)	*	324,736	619	344	
*IK2NUX	*	81,840	200	186	*PA0D5T	A	106,463	294	227	*SP5N6B	*	34,336	131	116	*YU9AP	A	6,098	243	198	(OP: SM5ADOP)	*	226,440	498	306	
*I2ZEV	*	70,097	214	191	*PA3EEG	A	98,532	297	207	*SP5N6B	*	195,804	300	252	*YU9AP	A	6,098	243	198	(OP: SM5DQE)	*	110,385	293	223	
*I3TXO	*	69,363	222	189	*PA0RBA	A	67,704	212	168	*SP01EUG	*	21,244	107	94	*YU9AP	A	2,883,429	1896	761	(OP: SM5DQE)	*	109,740	320	236	
*I2DXS	*	40,870	146	122	*PA0WLB	A	56,027	256	179	*SP8GHY	*	14,628	104	92	*YU9AP	A	109,330	290	230	(OP: SM5DQE)	*	85,330	229	230	
*IV3DYS	*	35,840	168	140	*PA2CHM	A	47,433	195	163	*SP8GNF	*	6,815	50	47	*YU9AP	A	408,330	617	390	(OP: SM5DQE)	*	75,294	235	178	
*IR1X	*	35,815	159	145	*PA2PF	A	46,472	191	148	*SP9DLY	3.5	153,636	296	236	*YU9AP	A	36,960	569	349	(OP: SM5DQE)	*	66,470	216	170	
IP2XX	*	30,645	150	133	*PA5GU	A	41,850	195	150	*P01DX	28	87,822	336	238	*YU9AP	A	322,846	516	337	(OP: SM5ADOP)	*	30,870	225	178	
*IV3HXR	*	26,840	131	122	*PA0WKI	A	39,760	175	140	*CR6K	A	2,369,298	1564	662	*YU9AP	A	286,700	538	305	(OP: SM5C5B)	*	66,216	320	225	
*IK2NCF	*	20,240	133	115	*PA3CLO	A	26,924	154	127	*CT1AOZ	28	113,270	350	241	*YU9AP	A	1,211,427	1206	603	(OP: SM5DF)	*	30,375	161	135	
*IK2WVY	*	19,488	133	112	*PA3AFF	A	24,738	142	114	*CS2C	21	3,798,404	2320	943	*YU9AP	A	1,076,196	1075	526	(OP: SM5C5X)	*	27,136	154	128	
*IV3YNB	*	17,370	104	90	*PA3EGO	A	3,588	55	52	*YU9AP	*	21,244	107	94	*YU9AP	A	482,469	733	417	(OP: SM5DXR)	*	330,368	580	356	
*I2TFJ	*	14,550	105	97	*PA3DAT	A	1,960	41	35	*YU9AP	*	14,628	104	92	*YU9AP	A	6,098	243	198	(OP: SM5ADOP)	*	226,440	498	306	
*I23MP	*	7,788	70	66	*PA0WYS	A	1,040	26	26	*CR7ACO	7	12,750	83	75	*YU9AP	A	5,187	59	57	(OP: SM5DQE)	*	1,440	36	36	
*I25SA	*	1,739	37	37	*PA0JED	21	52,626	194	179	*YU9AP	A	114,576	224	168	*YU9AP	A	6,763,416	2936	968	(OP: SM5C5B)	*	1,440	36	36	
*IK2AUK	*	962	27	27	*PA3DRL	A	13,524	100	98	*YU9AP	A	31,920	132	112	*YU9AP	A	389,784	599	447	(OP: SM5DQE)	*	1,440	36	36	
*IK5VZ	28	3,268	44	38	*PA2REH	14	33,150	165	150	*YU9AP	A	21,244	107	94	*YU9AP	A	6,098	243	198	(OP: SM5DQE)	*	1,440	36	36	
*IK2GRA	*	1,680	36	35	*PE3HG	A	3,132	56	54	*YU9AP	A	26,733	149	133	*YU9AP	A	50,375	194	155	(OP: SM5DQE)	*	24,510	125	129	
*I20YU	*	35	5	5	*YU9AP	A	1,680	40	35	*YU9AP	A	26,833	149	133	*YU9AP	A	32,315	160	135	(OP: SM5DQE)	*	14,700	118	105	
*I21MHY	*	8	2	2	*YU9AP	A	1,680	40	35	*YU9AP	A	27,000	440	390	*YU9AP	A	59,631	393	293	(OP: SM5DQE)	*	87,325	199	175	
*I5KJJK	21	1,643	32	31	*GI4DOH	A	456,344	698	406	*YU9AP	A	104,951	265	203	*YU9AP	A	199,080	398	252	(OP: SM5C5D)	*	1,440	36	36	
*IR2TA	14	147,900	349	300	*GI4BQI	A	8,109	57	51	*YU9AP	A	859,770	855	560	*YU9AP	A	5,187,055	1217	557	(OP: SM5C5B)	*	1,440	36	36	
*I1EIS	*	139,620	336	260	LN8W	A	3,610,572	2812	811	*YU9AP	A	114,576	224	168	*YU9AP	A	1,217,427	1206	603	(OP: SM5DF)	*	1,440	36	36	
*I3PXN	*	76,254	241	213	LN8W	A	7,275	51	51	*YU9AP	A	114,576	224	168	*YU9AP	A	1,217,427	1206	603	(OP: SM5DF)	*	1,440	36	36	
RN2FQ	A	97,228	274	218	LA2AB	7	763,379	665	433	*L55LG	A	1,672,150	1675	631	*L55LG	A	5,187,055	1217	557	(OP: SM5C5B)	*	1,440	36	36	
UA2F	7	2,749,968	1395	678	LA2AB	7	763,379	665	433	*L55LG	A	1,672,150	1675	631	*L55LG	A	5,187,055	1217	557	(OP: SM5C5B)	*	1,440	36	36	
*RA2FB	28	20,916	151	126	*L2HFA	A	517,884	760	412	*L55LG	A	1,672,150	1675	631	*L55LG	A	5,187,055	1217	557	(OP: SM5C5B)	*	1,440	36	36	
*RA2FX	14	18,093	119	111	*L6D6W	A	81,459	264	189	*L55LG	A	1,672,150	1675	631	*L55LG	A	5,187,055	1217	557	(OP: SM5C5B)	*	1,440	36	36	
*UA2FL	7	1,300,425	1058	525	*L7S7I	A	36,504	171	156	*L55LG	A	1,672,150	1675	631	*L55LG	A	5,187,055	1217	557	(OP: SM5C5B)	*	1,440	36	36	
Latvia	YL6W	A	2,667,240	1958	717	YL9T	A	1,778,134	1716	641	YL9BM	21	68,016	298											

*UT5R	464,358	688	401	KH7X	A	6,599,845	2351	707	HC2SL	21	3,761,856	1718	756	*W6IHG/4	*	816	17	18	KL3/AB8CK	14	315,230	453	290
*USCQ	438,604	706	401	WH7M	"	5,183,034	2185	631	ZP6CW	A	3,269,332	2157	737	(OP: K5WA)	(OP: K5WA)								
*UTSIB	419,650	651	385	YB1AR	A	188,892	282	212	Paraguay	A	141,491	251	203	K2BA/5	"	449,814	560	366	*V2E6				
*URZTH	407,046	660	358	YB4IR	21	97,608	213	169	(OP: I1HJT)					"	435,696	714	348						
*UYSA	389,862	531	363	YB3BJ	A	37,730	124	98	Suriname	A	548,110	462	295	K5MV	"	71,832	206	164					
*UWIZ	332,996	529	332	YB3KTH	"	4,438,984	1977	584	*NE5LL	A	388,278	711	333	A5AU	"	15,908	115	82					
*UST7WW	330,240	499	333	NH6P	A	53,679	116	87	(OP: N1CC)					"	2,769	47	39						
*U5VERY	307,461	563	313	*KH7T	7	25,520	108	88	PZ5RA	A	388,278	711	333	*W0B0R/5	"								
*UTRUL	284,517	490	313			7	10,164	46	44	Uruguay	A	9,114,525	2738	945	*W4JHC/5	"							
*UY2ZZ	278,656	521	311						CW5W	A	1,047,454	724	439										
*UU0JK	266,175	526	315						XY4ALK	21	4	2	2										
*UZ8I	258,538	496	313						YW4D	14	5,903,471	2150	931	KY0W/6	A	1,795,311	1461	621	*C6AWL	7	1,262,778	638	418
*UY5AR	243,504	479	304											"	124,173	341	120						
*UX6IB	235,060	436	292											"	34,800	174	120						
*UTSEZ	229,472	399	284											"	32,226	126	123						
*USTIA	209,190	433	288											"	15,908	115	82						
*UT3UZ	188,504	325	235											"	2,769	47	39						
*UT3Q	163,880	348	241											"									
*UR3QM	160,552	341	244											"									
*UTAXU	152,684	362	266											"									
*UUIJE	142,311	397	267											"									
*UU2J	136,284	292	246											"									
*UT4UP	136,240	339	260											"									
*UY5BY	128,310	326	235											"									
*UR5WX	128,040	353	264											"									
*UAIOR	106,977	300	211											"									
*UTANY	101,558	286	206											"									
*UZ5U	85,848	286	196											"									
														"									
*UR5EIT	82,080	232	190											"									
*UXB1W	81,955	251	185											"									
*US2IW	70,616	223	194											"									
*UR3PGW	58,312	180	148											"									
*UT7HM	50,224	171	146											"									
*UUTJD	48,960	197	160											"									
*UT4UFU	37,929	163	141											"									
*UT7VR	36,608	140	128											"									
*UT7HCX	34,391	137	119											"									
*UT5UKY	31,611	160	123											"									
*UT3WU	31,347	142	129											"									
*UT5UGO	30,226	150	127											"									
*UT3UJ	29,646	154	122											"									
*UT9LD	27,000	146	120											"									
*US1UJ	22,627	154	121											"									
*UT5IE	21,344	125	116											"									
*UT7UJ	18,360	100	90											"									
*UJ2JA	8,050	56	50											"									
*UT6CM	7,290	88	81											"									
*UJ7JN	6,903	64	59											"									
*UT7CN	5,612	62	61											"									
*UT5EDU	4,950	54	50											"									
*UR5MM	2,923	39	37											"									
*UX2JX	1,720	22	20											"									
*US2MT	1,008	27	21											"									
*UJ4JOE	714	21	21											"									
*UT4AV	455	13	13											"									
*USSIM	250	12	10											"									
*UT8EU	133,874	358	271											"									
*UT2PK	40,500	202	162											"									
*UY4F	31,257	170	151											"									
*US3IP	14,600	108	100											"									
*UW4SU	2,030	39	35											"									
*UX4FC	21	482,532	689	474										"									
*UT3QJU	278,692	517	361											"									
*UT7NW	269,709	461	363											"									
*UR3ONV	6,592	69	64											"									
*UR5LBM	1,548	37	36											"									
*UR5MM	14	485,374	626	482										"									
*UT1PM	351,696	413	311											"									
*UT5BZ	160,016	429	292											"									
*UR5VR	110,288	305	244											"									
*UR5EF	94,132	287	233											"									
*UT5CY	93,835	284	245											"									
*UT53WD	90,342	293	233											"									
*UT53WD	59,302	345	275											"									
*PY2NY	A	1,887,842	1067	538										"									
*PY4HO	A	930,044	735	428										"									
*PY2MR	A	920,991	747	433										"									
*PR7AR	3.5	194,931	214	179										"									
*PT3T	3.5	27,525	84	75										"									
*PR7HR	A	388,560	419	265										"									
*PY2VJU	A	38,016	133	99										"									
*PP5AX	A	24,528	101	84										"									
*PY1CX	A	23,956	120	106										"									
*PY2DX	A	19,200	93	80										"									
*PY2MR	A	11,352	76	66										"									
*PY1MK	A	10,260	65	57										"									
*PY1NSC	A	9,197	27	27										"									
*PY1KMT	A	8,791	66	59										"									
*PY1KO	A	7,248	57	48										"									
*PY1K1K	A	6,935	52	45																			

*VR2KW	21	Hong Kong	137,214	347	242	LZ1ONK	A	207,680	431	295	UA4FCO	3.5	10,335	72	65	*DF1HF	*	370,062	504	378	*LY5T	*	21,266	115	98	
4Z5TK	A	2,383,722	1210	594	LZ1QZ	A	17,538	114	111	*RA4AB	A	1,492,784	1445	622	DL6NDW	*	304,320	475	217	*LY2TS	*	16,268	91	83		
Israel					LZ2AE	A	337,755	519	345	*R2P4WL		1,436,178	1203	500	DJ3CO		245,955	448	285	*LY1G	3.5	329,832	459	324		
					LZ1QX	A	1,229,146	1237	706	*RM4ZT	*	311,330	511	236	DL5GAC		240,810	507	349							
					LZ1OV	7	311,122	408	313	*RA4AAO	*	292,758	483	354	DJ8UO		224,924	391	277							
					LZ2SC	3.5	196,091	331	257	*RA4HPI	*	211,932	366	252	DL3HVM		204,592	415	304							
JM1LPN	A	156,136	348	232						*RU4SS	*	83,600	213	176	DJ3HW		199,675	320	245							
JR1GP		70,618	172	134						*RA4AS	*	69,147	234	197	DK3DUA		188,932	424	298							
JH1OY	*	39,330	128	115	J49XF	14	15,042	117	109	*R2A4A	*	21,248	143	129	DK1ZH		182,550	432	225							
JN1KWR	*	25,428	124	78					(OP: SVBXBN)		*	21,248	143	129	DG7TR		182,550	432	225							
JA1XUV	*	9,494	50	47	*SV0XBZ/9	28	401,305	764	415	*RA4WC	28	13,365	93	81	DLSAQJ	*	125,490	352	267							
JA1PTU		4,760	41	40					(OP: YL2VW)		*	14,466	944	822	DL5WS		36,144	193	144							
JG1SXP		1,433	28	27						*RA4WY	14	43,566	166	159	DL8ZAJ		32,791	143	121							
JAT1GT	28	1,230	31	30						*RA4HPI	*	8,600	213	176	DM5DX		30,750	155	125							
JH1ACA	14	50,895	159	145	9A1AA	A	348,464	2291	876	UC7A	A	2,247,102	1693	703	DLSAWK		21,231	132	113	Z35G	A	374,523	589	381		
JH1IST	A	105,002	345	239	9A4WY	*	925,089	984	561	RN7F	*	1,670,552	1376	644	DH9SB		18,832	233	107	Z36W	21	1,357,236	1269	708		
JH1ESGH	*	140,070	325	210	9A2U	28	189,275	505	335	UA6AA	*	988,493	793	490	DL1SVA		15,759	113	103	Z35X	14	2,005,490	1512	799		
JH1HDFG	*	106,575	208	147	9A5D	21	1,357,401	1313	669	RW6AN	*	82,536	199	152	D90ST		2,166	39	38							
JH1HFSV	*	12,529	70	67					(OP: RA4Y3T)		*	14,145	322	246	DK4US		435	19	15							
J720HK	28	1,455	5	5	9A3ST	*	3,080	109	93	RC7A	14	1,605,120	1464	760	DH8BQA	28	182,970	491	321							
J512HK	21	157,784	340	242	9A4KW	14	333,572	525	387	RD7OM	3.5	350,124	479	326	DJ2MX	21	241,060	399	340							
JH1BDQ	*	8,905	66	65	9A5MT	7	3,272,107	1538	751	RY6Y	*	53,940	179	145	DL2SWN		665	19	19							
JH3LF/1	14	34,117	140	109	9A5TO	3.5	11,315	73	73	(OP: RA4EY)		1,410,107	1456	721	DL4FN	14	641,334	766	534							
JM1NKT	7	137,256	252	168	9A46B	A	2,410,107	1456	721	*RL6M	A	9,425	73	65	DK3WW	7	91,938	250	231	P4DX	21	433,512	691	446		
J42FSM	A	86,445	212	153	*9A1CMA	14	26,666	170	134	*UA6LCN	28	143,910	349	270	DL5KW	7	7,336	58	56	PB2JU	14	1,112,960	1069	640		
JK2VOC	A	85,824	259	149					(OP: 9A4E2U)		*	5,005	58	55						*PB7V	A	514,152	701	444		
JF2LAB	*	2,673	40	33								RT7AM	21	11,080	279	240	PA0LOU	*	341,185	542	377					
JE2HXL	21	11,218	87	77	Czech Republic	A	2,258,280	1597	697	*RV6LCI	14	417,902	628	446	PA1CW	*	297,344	615	368							
JR2AAN/2	*	3,344	47	44	K07Y				(OP: 0K1FVZ)		*	358,989	545	418	PA0CYW	*	287,147	537	323							
J42KPV	14	5,700	55	50	OK1AOV	*	283,470	415	330	*UA6LJO	*	349,024	667	416	PA1DT	*	1,363,181	31	29							
JG1EIO/3	A	200,925	332	225	OK1DUT	21	741,480	835	555	*RA7Y	3.5	133,021	284	217	PA0MR	21	109,185	286	251							
JN3SGS	*	140,160	265	192	OK7K	21																				
J43PYC	A	140,976	283	198																						
JG3FEA	*	117,782	202	179	OK6DJ	14	214,848	393	288																	
JF3SAD	*	75,405	219	165	OK7MT	7	775,536	613	453																	
JG3SVP	*	68,200	242	153	*OK6Y	A	2,103,514	1478	694																	
JG3VUI	*	35,088	137	102	*OK1JOC	*	1,586,835	1430	591																	
JO4CFV	A	39,795	139	105	*OK2BXE	*	974,400	940	525	OG73X	A	3,226,125	1887	875	HA3G	A	3,298,337	301	237	Northern Ireland	A	875,480	969	509		
JH4UTP	*	23,690	136	103	*OL100VP	*	808,220	897	502	(OP: 0K1AY)		1,733,990	1945	760	(OP: HA3M0)											
JN4MMO	28	3,015	52	45	OK1TD	*	259,160	402	310	OG6T	*	2,458,638	1766	893	(OP: HN6IO)											
JM4WUZ	A	274,455	511	285	OK2BFN	*	171,216	326	246	OG4T	*	2,212,185	1602	695	(OP: 0H4MFTZ)											
JAG6ZT	7	658,438	348	346	OK1EV	*	76,800	263	200	OG4X	*	332,976	510	336	(OP: 0K2PTZ)											
JAG6DIJ	A	668,886	665	393	OK2PCL	*	32,438	116	98	OH5DA	*	392,976	510	336												
JAT7PZ	A	62,823	167	129	*OK3R	7	1,537,290	777	589	OH2LNH	*	109,691	287	229												
JPT7AWQ	*	4,136	49	44					(OP: 0K1DVM)		*	96,180	301	210	OH2XW											
JAT7OWD	28	9,576	86	72	*OK1UG	*	1,085,568	786	528	OG4X	*	23,205	142	119	HA8CO											
J170ED/7	14	200	10	10						(OP: 0K1DVM)		28	14,852	113	94	HA2QW										
JH8SL	A	318,816	452	288	5P5L	A	1,976,940	1738	630	OH6MW	7	1,362,525	989	555	(OP: 0H6LW)											
JF8JTS	A	7,480	65	55	*0Z60M	28	342	19	19	OH6XY	*	197,376	302	256	(OP: HA1RS)											
JR9GMS	*	7,473	53	53	*5P3A	21	2,028	41	39	OH6MW	3.5	717,220	735	436	(OP: HA1RS)											
JAF8VU	A	1,365,552	1057	522	England	G4IYY	A	342,432	491	348	*0H8KUJ	A	1,604,655	1359	659	(OP: 0H8KUJ)										
JAG0GSS	*	2,484	49	36																						
JJ0MPI	21	1,100	28	25	G4IYJ	A	172,040	324	253	*0H4MKM	14	211,837	440	289	(OP: 0H8KUJ)											
JAB0BJY	A	31,020	127	110	G6T																					
Kazakhstan	UP5P	A	1,578,320	1010	545	M4U4	14	34,200	3153	984	F5VKV	A	922,950	870	525	Italia	A	4,483,340	2063	970	Italy		2,224,128	1661	768	
Kuwait	9K2RA	28	1,384,560	1011	540	Estonia	ES4RX	A	687,582	904	459	F8IDR	14	187,985	476	287	(OP: F5XK)		1,701,200	1324	509	Spain		1,596,906	1645	802
Saudi Arabia	HZ1FI	A	1,927,275	1099	525	Egypt	ES4RD	A	215,134	400	303	F8FDD	28	2,195	35	35	(OP: F5XK)		1,701,200	1324	509	Portugal		1,224,128	1661	768
United Arab Emirates	A65CA	A	2,957,248	1527	656	Algeria	RK3SWB	14	1,340,952	1244	708	F8BDO	21	1,731,346	725	104	(OP: F5XK)		1,701,200	1324	509	Romania		5,763,342	2947	962
Uzbekistan	*UK8AR	21	1,094,460	890	510	Vietnam	RK3MF	3.5	20,125	133	113	DJ1LOD	*	2,291,744	1778	787	(OP: F5XK)		1,701,200	1324	509	Romania		5,763,342	2947	962
XV1X	A	334,880	610	322	TAJIKISTAN	RK3MF	*	9,000	68	60	DJ2T	*	1,976,076	1501	684	(OP: F5XK)		1,701,200	1324	509	Portugal		5,763,342	2947	962	
West Malaysia	9M2ADX	A	349,479	466	309	TAJIKISTAN	RK3MF	*	212,795	211	174	DJ2T	*	1,701,200	1324	509	(OP: F5XK)		1,701,200	1324	509	Romania		5,763,342	2947	962
Austria	OE3GCU	A	66,220	191	172	TAJIKISTAN	RK3MF	*	1,735	21																

YU1KT		411,944	619	442	*UW7RV	312,120	554	340	UT5DJ	214,268	422	274	IZ1GOI	144	13	12	*BH4RRG	43,488	198	144										
YT6T		3.5	407,160	528	345	*UZ5ZV	242,046	495	306	Y04AAC	203,901	457	291	JL30XR/1	91	7	2	*US2IVP	2,520	46	49									
*YU8NU		28	23,625	157	138	*UZ5ZI	213,928	408	286	E18FPH	194,532	399	258	JA4GNK	4	2	7	*PY7VN	3,325	17	13									
*YT8T		21	766,800	835	563	*UZ4L	16,328	127	104	UX8ZA	190,554	436	273	HG15IPA	21	280,080	533	389	*UR5EFL	94,132	287	233								
*YT1R		14	2,078,271	1,461	837	*UT2IV	28	84,710	276	215	(OP: US4LGW)	179,707	450	254	JE2UFF	77,644	231	188	*SP7JLH	48,100	210	185								
*YU2A		"	1,334,080	122	704	*UT4WA	"	33,540	173	156	UA4LW	180,024	443	312	W01QK	39,182	159	137	*SO8MZW	13,024	92	88								
*YT2AAA		"	1,145,484	1074	674	*UR5IKN	21	103,737	266	229	N8BB	175,306	206	173	JA1RNK	36,696	173	139	*JC1SWV	1,189	9	9								
*YU2EZ		"	149,072	369	308	*US2IVR	"	2,520	46	48	CT7/LZ3ND	160,071	313	229	R26HX	28,380	138	128	ZL2BQ	5,412	42	41								
*YT8A		7	2,667,130	1,366	730	*UT3IZ	14	1,451,619	1230	741	OZ/DK3WE	153,928	343	241	RA0NMU	22,176	113	98	ZL2BQ	662	11	11								
*YT2B		"	932,790	713	465	*UX4U	7	2,220,330	1191	679	WA1WLWS/3	145,824	362	248	HC2A	21,962	101	79	TRIBANDER/SINGLE ELEMENT											
*YU2FG		"	152,691	262	231	*US2IV	"	369,180	648	420	(OP: DK3WE)	"	21,120	136	128	WS2T/4	A	2,603,720	1786	680	(OP: N4PN)									
Sicily					*US2IV	"	20,460	106	93	KA4HAA	140,418	331	261	HJD3MQ	15,834	106	91	M1W/R/3	2,245,446	1378	639									
*IT90RA		21	349,200	598	388	*UT3L	3.5	414,422	526	353	ND3D	137,326	341	238	OK1AU	12,705	111	105	NF4A	2,032,640	1527	640								
*IT91ZY		14	87,185	249	235	*UR5HQ	"	381,036	505	339	K7HBN	132,506	352	209	WY6DX	12,096	87	84	NO4K	2,004,693	1533	635								
Slovakia					*UR9QO	"	182,280	335	245	W4UT	130,480	319	233	D3GE	5,120	67	64	KA4K	1,795,311	1461	621									
OM7TPY		A	646,795	778	467	*VK4FJ	21	39,900	128	114	PY4ZD	120,650	270	190	DL2SHR	280	21	20	(OP: K6SRZ)											
OM7AX		"	441,694	668	374	*VK3LPM	3.5	414,422	526	353	WA1FJB	116,150	320	230	HS5O	21,120	136	128	WS2T/4	A	2,603,720	1786	680	(OP: N4PN)						
OM3AG		28	91,802	297	233	*VK2BNG	A	77,322	173	147	JK1TCV	104,532	284	186	W4UT	15,834	106	91	W1CU	1,216,224	774	492								
*OM5X		A	2,811,600	1816	792	*VK6DXI	A	37,824	118	96	PE2K	96,192	221	191	L5Y6	28,348	548	396	W6XK	1,117,200	1129	490								
*OM6AL		"	685,948	841	446	*VK4FJ	21	39,900	128	114	WC30	80,640	246	168	SP4FGF	21,232	32	31	KA4K	1,036,800	941	480								
*OM8DD		21	161,700	351	300	*VK6DXI	3.5	60	4	4	WC30	79,278	272	190	L1V1B	20,759	405	334	(OP: K9DU)	1,013,328	908	454								
*OM3NI		14	204,400	436	350	*VK6DXI	"	182,280	335	245	VR3DBK	77,191	307	202	G3LHJ	14,754	328	274	WX6V	9,900	220	107	506							
*OM7YC		"	87,912	238	222	*VK6DXI	"	144,841	294	241	YU7RL	71,155	197	133	Y04BEW	14,900	357	275	KE1B/6	9,908,550	1054	450								
Slovenia		A	5,738,684	2493	931	*VK6DXI	"	144,841	294	241	YU7JF	68,220	247	160	RA3XEV	2,432	268	224	W05L	897,051	959	443								
EF1A		A	1,499,958	1123	591	*DU1BP	A	337,400	419	241	WA0RP	60,344	238	152	JK6JAB	165	12	11	K1LT/8	1,555,97	1172	571								
S50R		"	3,950,840	1980	860	*DU1BP	A	1,004,049	783	369	NA6E/7	"	16	4	4	N3UM	1,280,933	911	499											
S51DX		"	339,825	628	345	*KG6DX	21	1,316,270	947	482	PA3ANM	109,200	262	200	H6NW	14	4	4	W1IJU	1,216,224	774	492								
S56M		21	1,589,808	1313	721	*KG6DX	A	77,322	173	147	BD4GNV	104,532	284	186	W4UT	15,834	106	91	W1IJU	1,117,200	1129	490								
S53F		14	2,968,038	1824	914	*KG6DX	A	37,824	118	96	BD4GNV	96,192	221	191	L5Y6	28,348	548	396	W6XK	1,068,592	1286	464								
S52AW		7	3,684,478	1552	791	*ZL3IO	7	37,772	92	76	W3P0	50,592	170	124	N5A	23,012	160	105	WA2ASQ/2	2,232	32	31	K3MD	1,036,800	941	480				
S58O		"	391,742	493	338	*ZL2Q	3.5	682	11	11	NA4BW	50,593	197	137	948MM	26,962	152	122	W2LQF	1,022,624	1165	571								
*S56A		A	1,318,040	960	664	*ZL2Q	"	182,280	335	245	WD7APL	45,720	149	127	W2LQF	21,522	160	105	K2SX/4	523,770	613	390								
*S56EU		"	860,814	980	510	*ZL2Q	"	828	24	23	WD7APL	43,168	185	152	KM9R/5	19,186	136	106	K7JO	521,280	891	362								
Spain		A	5,738,684	2493	931	*DU1BP	A	337,400	419	241	DU1J5GMJ	30,702	155	119	W9C	2,432	268	224	W05L	897,051	959	443								
EF1A		A	1,499,958	1123	591	*DU1BP	A	1,004,049	783	369	DU1J5GMJ	30,702	155	119	W9C	2,432	268	224	W05L	897,051	959	443								
EA1WX		"	261,750	489	349	*EC1KR	"	64,965	208	183	SOUTH AMERICA	21	103,772	106	94	WA1WLWS/3	2,432	268	224	W05L	897,051	959	443							
EC1KR		"	261,750	489	349	SOUTH AMERICA		14	778,545	684	395	WA1WLWS/3	21	103,772	106	94	WA1WLWS/3	2,432	268	224	W05L	897,051	959	443						
EA2AZ		A	35,721	196	147	SOUTH AMERICA		1,413,516	964	507	WA1WLWS/3	21	103,772	106	94	WA1WLWS/3	2,432	268	224	W05L	897,051	959	443							
*EA2BNU		A	730,286	846	457	SOUTH AMERICA		69,600	617	405	WA1WLWS/3	21	103,772	106	94	WA1WLWS/3	2,432	268	224	W05L	897,051	959	443							
*EB2RA		"	8,806	79	74	SOUTH AMERICA		69,600	617	405	WA1WLWS/3	21	103,772	106	94	WA1WLWS/3	2,432	268	224	W05L	897,051	959	443							
EA3EC		28	1,000	26	25	SOUTH AMERICA		176,736	281	224	WA1WLWS/3	21	103,772	106	94	WA1WLWS/3	2,432	268	224	W05L	897,051	959	443							
EJ3J		21	149,424	384	283	SOUTH AMERICA		5,225,754	1947	921	WA1WLWS/3	21	103,772	106	94	WA1WLWS/3	2,432	268	224	W05L	897,051	959	443							
*EA3GLB		A	63,578	215	166	SOUTH AMERICA		5,225,754	1947	921	WA1WLWS/3	21	103,772	106	94	WA1WLWS/3	2,432	268	224	W05L	897,051	959	443							
*EA3VN		"	37,609	170	143	SOUTH AMERICA		5,225,754	1947	921	WA1WLWS/3	21	103,772	106	94	WA1WLWS/3	2,432	268	224	W05L	897,051	959	443							
*EA3GYK		"	10,153	97	71	SOUTH AMERICA		5,225,754	1947	921	WA1WLWS/3	21	103,772	106	94	WA1WLWS/3	2,432	268	224	W05L	897,051	959	443							
*EA3NO		21	23,276	97	92	SOUTH AMERICA		1,627,552	943	519	WA1WLWS/3	21	103,772	106	94	WA1WLWS/3	2,432	268	224	W05L	897,051	959	443							
EF5Y		A	6,421,738	2938	1019	SOUTH AMERICA		4,212,870	1711	778	WA1WLWS/3	21	103,772	106	94	WA1WLWS/3	2,432	268	224	W05L	897,051	959	443							
ED5W		28	524,984	942	479	SOUTH AMERICA		5,225,754	1947	921	WA1WLWS/3	21	103,772	106	94	WA1WLWS/3	2,432	268	224	W05L	897,051	959	443							
EA1DX/5		A	1,034,968	961	619	SOUTH AMERICA		5,225,754	1947	921	WA1WLWS/3	21	103,772	106	94	WA1WLWS/3	2,432	268	224	W05L	897,051	959	443							
EA5KA		7	873,126	449	414	SOUTH AMERICA		5,225,754	1947	921	WA1WLWS/3	21	103,772	106	94	WA1WLWS/3	2,432	268	224	W05L	897,051	959	443							
*EA5DKU		A	288,535	456	299	SOUTH AMERICA		5,225,754	1947	921	WA1WLWS/3	21	103,772	106	94	WA1WLWS/3	2,432	268	224	W05L	897,051	959	443							
*EA7MT		A	223,559	423	293	SOUTH AMERICA		5,225,754	1947	921	WA1WLWS/3	21	103,772	106	94	WA1WLWS/3	2,432	268	224	W05L	897,051	959	443							
*ED7D		28	56,672	215	176	SOUTH AMERICA		5,225,754	1947	921	WA1WLWS/3	21	103,772	106	94	WA1WLWS/3	2,432	268	224	W05L	897,051</									

KU7Y	"	352	16	16	R9DA	A	3,284,570	1570	695	0G4T	"	2,212,185	(OP: OH4MFA)	*UA1CUR	"	998,283	1090	507	"	117,845	326	259	
K7DD	3.5	7,206	77	64	A65CA	"	2,957,248	1527	656	SZ6P	"	2,146,725	(OP: SV1BJW)	*SM6FKF	"	991,648	1117	532	"	100,185	286	251	
KX9DX	"	20,527	82	61	H21FI	"	1,927,275	1099	544	(OP: DL2RMC)	"	2,137,278	1764	689	*UT7I	"	975,136	525	"	*PA0MIR	23,276	97	97
*K3EL/2	A	1,569,482	1122	554	UP5P	"	1,578,320	1016	545	(OP: UP5P)	"	1,982,580	1776	650	"	972,910	1140	485	"	*E43NO	12,513	105	97
*K90M	"	1,284,476	1046	545	G0MTN	"	1,927,275	1099	544	PS5L	"	1,976,940	1788	630	"	968,550	1144	550	"	*R5ACQ	12,513	105	97
*KV8Q	"	902,192	937	452	Y12MM	"	1,578,320	1016	545	(OP: Y12MM)	"	1,773,504	1340	637	"	974,400	940	525	"	*RN3DKE	10,884	90	85
*N85XX	"	87,012	972	456	HA1TNX	"	1,578,320	1016	545	(OP: HA1TNX)	"	1,773,504	1340	637	"	974,400	940	525	"	(OP: UN8M)	10,884	90	85
*WD4A4HZ	"	720,632	915	431	LY2MM	"	1,578,320	1016	545	(OP: LY2MM)	"	1,773,504	1340	637	"	974,400	940	525	"	*E43NO	23,276	97	97
*WN6K	"	563,509	886	353	HA1TPX	"	1,509,228	862	477	(OP: HA1TPX)	"	1,773,504	1340	637	"	974,400	940	525	"	*R5ACQ	12,513	105	97
*K8B	"	504,113	604	331	Y12VW	"	1,509,228	862	477	(OP: Y12VW)	"	1,773,504	1340	637	"	974,400	940	525	"	*RN3DKE	10,884	90	85
*K8BLX	"	392,955	706	345	HA1TPX	"	1,509,228	862	477	(OP: HA1TPX)	"	1,773,504	1340	637	"	974,400	940	525	"	*E43NO	23,276	97	97
*AE5X	"	351,716	569	324	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*R5ACQ	12,513	105	97
*W1VCE	"	388,278	711	333	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*RN3DKE	10,884	90	85
*NE5LL	"	387,803	566	299	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*E43NO	23,276	97	97
*WA3KYY	"	380,163	621	301	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*R5ACQ	12,513	105	97
*KA2D	"	364,504	424	283	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*RN3DKE	10,884	90	85
*NE0S	"	318,092	536	281	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*E43NO	23,276	97	97
*K40SO	"	271,890	411	265	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*R5ACQ	12,513	105	97
*W15ID	"	251,870	476	283	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*RN3DKE	10,884	90	85
*WD6K	"	247,456	449	304	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*E43NO	23,276	97	97
*K6AAB	"	227,962	445	266	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*R5ACQ	12,513	105	97
*K0VBU	"	215,988	520	246	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*RN3DKE	10,884	90	85
*W1MSW	"	213,720	368	274	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*E43NO	23,276	97	97
*AE4O	"	211,404	377	232	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*R5ACQ	12,513	105	97
*NW2K	"	200,340	434	265	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*RN3DKE	10,884	90	85
*NX1P/7	"	196,988	512	242	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	(OP: E43NO)	23,276	97	97
*WU9B/7	"	188,811	385	243	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*R5ACQ	12,513	105	97
*WB8TLI	"	178,789	302	221	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*RN3DKE	10,884	90	85
*K4PG	"	165,418	322	206	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*E43NO	23,276	97	97
*N4ARO	"	159,537	292	213	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*R5ACQ	12,513	105	97
*W7RV	"	145,125	322	225	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*RN3DKE	10,884	90	85
*K0GE5/0	"	140,694	400	206	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*E43NO	23,276	97	97
*N6MI	"	134,670	329	201	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*R5ACQ	12,513	105	97
*K4NC	"	127,032	335	201	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	(OP: G4ZFE)	23,276	97	97
*N5UJ	"	124,173	341	189	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*R5ACQ	12,513	105	97
*KG6N	"	118,560	343	195	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*RN3DKE	10,884	90	85
*AE6RG/7	"	116,025	363	195	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*E43NO	23,276	97	97
*K9MY	"	106,198	251	191	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*R5ACQ	12,513	105	97
*N7DR/0	"	92,340	215	135	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*RN3DKE	10,884	90	85
*W07V	"	91,980	290	180	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*E43NO	23,276	97	97
*WC4E	"	80,600	205	155	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*R5ACQ	12,513	105	97
*N2S0	"	66,742	200	151	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*RN3DKE	10,884	90	85
*K3NK	"	63,591	169	123	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*E43NO	23,276	97	97
*W3UUU	"	63,344	192	148	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*R5ACQ	12,513	105	97
*AA4AH	"	4,512	49	48	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*RN3DKE	10,884	90	85
*KB3MXM	"	3,388	48	44	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*E43NO	23,276	97	97
*WE4BA	"	3,318	43	42	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*R5ACQ	12,513	105	97
*N4FY	"	476	14	14	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	*RN3DKE	10,884	90	85
*KN8D	21	279,725	463	355	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	(OP: G4M3Y0)	23,276	97	97
*W8IQ	14	272,082	463	331	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	(OP: G4M3Y0)	23,276	97	97
*NW4W	"	200,160	351	288	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	(OP: G4M3Y0)	23,276	97	97
*K11N/9	"	192,376	377	208	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	(OP: G4M3Y0)	23,276	97	97
*N8HP	"	60,690	195	170	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"	1,773,504	1340	637	"	974,400	940	525	"	(OP: G4M3Y0)	23,276	97	97
*WA3AAN	"	16,490	104	97	Y12VX	"	1,536,384	483	292	(OP: Y12VX)	"												

Oops...

The caption under the photo of the ICOM ID-31 on page 24 of February's "CQ Market Survey" article incorrectly stated that the radio operates on 2 meters. This D-STAR handheld actually operates on 70 centimeters (440 MHz).



Also in the February issue, in case you haven't already figured this out, the CQ Review of the West Mountain Radio RIGblaster Advantage was on page 48 as indicated in the Table of Contents, not on page 38, as shown on the cover.

Finally, in December's story on "Producing Ham Radio," we gave two new hams the same callsign in the photo caption on page 33. Matthew Baker is KJ6RVE; Brian Corpuz is KJ6RVB. Sorry, Brian!



Members of the Florida Contest Group activated J7A from Dominica in the Multi-Two category. Left to right are Dan, K1TO, Jim, W19WI, George, K5KG, and Chris, NX4N.