

Results, Tenth IARU HF World Championship

By Billy Lunt, KR1R
Contest Manager
and
Warren C. Stankiewicz, NF1J
Assistant Contest Manager

24 hours of contest propagation just like the "good old days"!

Wow! This year's IARU contest was not what any of us expected. It was incredible! July never brings great conditions, and around this point of the sunspot cycle, they're usually even worse. Not this year! We had—great, wonderful, incredible, unbelievable (take your pick of adjectives here)—propagation. Who would have expected to run Europeans on 15 meters in July? Or to make as many contacts as they did on 10 meters? Heck, we didn't have conditions like these in the DX Contest back last winter! We may not even know what happened, but to tell the truth, who cares! The bands were great, and we made the most of it! It wound up being a hot contest for a hot weekend!

Participation was up nearly 10% this year, and that sure helped. Either a lot of folks stumbled onto the contest by accident, or operating events like these are attracting more and more people. We heard from a lot of "first-timers" this year. Is it the shorter time period that makes the difference? Does summer bring a different crop of contestants? Comments were favorable (with a lot less complaints!) about the operators and the operating.

Twenty meters being open during the entire contest was a major attraction, but the big propagation story has to be the 15 and 10-meter bands. Were they open where you are? More importantly, did you remember to check them, or did you just write them off as unusable? Most of the top European folks were able to rack up anywhere from 200 to 400 QSOs on 10 meters, and totals of 600 to 1000 QSOs on 15 meters were not uncommon.

Admittedly, it wasn't as good here in the US and Canada—but you should have been able to make at least 50 QSOs or so on 10, if you were lucky; and some folks had QSO totals on 15 meters in excess of 300. If you were running with the pack on 20 and 40 and didn't think to check 10 or 15, you should know better by now! It's experiences like these that differentiate between the top contestants and the rest of us. Who would have known you'd be able to work folks on those bands? They sure knew!

Another thing that sure helped boost scores were all those IARU HQ stations on the air this year. You should have been able to log a handful—after all, 27 of them were active, and 22 submitted logs. The

Hungarian crew at MRASZ kept their long-standing win streak intact, easily topping anyone (and anything) the other societies could throw at them. The "We Try Harder" competition for number 2 took a twist this year, though. Perennial runners-up DAØHQ found themselves slipping to fifth, with the Slovaks at OM5HQ, the Ukrainian operation at EM5HQ, and the Romanian ARF's YRØA all putting forth excellent efforts. ARRL's Headquarters station, W1AW, also did extremely well this year, making the most QSOs but finishing eighth, with 6.8 million

points. For a blow-by-blow description, check out the sidebar, "The Way to Win at W1AW." Our thanks to our IARU sister-societies everywhere for helping to make this contest successful. It sure pays now to do a little multiplier hunting for the HQ folks.

Speaking of winning streaks, we saw another long-standing one broken in the Mixed Mode category: Rad, YU1RL, went to EA9IE and stopped Gyoza, HAØMM, in his tracks! Just when you thought you could win with 2 million points, he comes in and makes almost 3 million! Henry, YT1AD, wasn't too



John, WB2K, may not have a lot of awards mounted on the wall, but he sure nailed down the top spot in the W/VE phone-only competition.

Top World Scores

Mixed Mode

Call	Score
EA9IE	2,911,184
(YU1RL,op)	
HAØMM	1,977,150
YT1AD	1,970,724
UT5UGR	1,765,752
TM1C	1,669,920
(GØJFX,op at F6CTT)	
UA3RAR	1,598,625
KF3P	1,500,736
S53R	1,305,103
LY6M	1,272,154
(LY1DS,op)	
OH6WZ	1,239,249

Phone Only

Call	Score
UT5DK	1,462,344
OH1EH	1,416,524
OH6LNI	1,104,752
5NØMVE	846,264
EMØF	834,677
(UXØFF,op)	
DL8PC	826,619
LY1DT	759,744
5NØGC	755,760
S59L	742,350
WB2K	729,904

CW Only

Call	Score
HAØDU	1,877,533
RZ9U	1,506,557
(RZ9UA,op)	
S59AA	1,374,206
C47W	1,356,516
(5B4WN,op)	
YT5ØBB	1,223,586
(YT1BB,op)	
N2IC/Ø	1,203,734
P4ØZ	1,198,392
OH1NOR	1,120,560
SLØCB	1,098,165
(SMØTXT,op)	
W1WEF	1,070,388

Multioperator

Call	Score
UU5J	2,702,612
RS9A	1,965,816
IR4T	1,937,796
RY6Y	1,790,712
RK9XWH	1,481,385
RU3A	1,466,630
RWØA	1,400,352
WXØX	1,379,856
HG5M	1,359,299
RU9D	1,272,556

Top W/VE Scores

Mixed Mode

Call	Score
KF3P	1,500,736
KFØH	932,252
AA4NC	919,512
KØIJL	676,021
(AAØBY,op)	
KZ1M	577,729
WZ4F	558,688
WX9E	518,122
(at KS9B)	
N9AG	513,472
K3WW	507,756
N5EA	411,152

Phone Only

Call	Score
WB2K	729,904
WS1A	602,030
W3BGN	526,560
K4VUD	489,375
WA7FOE	486,552
VE6JY	473,434
N4UH	380,256
KB4WQO	370,364
WB2NQT	365,960
K6SVL	296,055

CW Only

Call	Score
N2IC/Ø	1,203,734
W1WEF	1,070,388
K3ZO	1,006,934
WXØB	790,400
(NM5M,op)	
K4PQL	724,196
K7SV	633,879
N6TR	618,288
K2SX/1	601,735
K8GL	586,034
AA4NU	578,816
(KØEJ,op)	

Multioperator

Call	Score
WXØX	1,379,856
KN2T	1,148,904
N3BB	1,059,122
W5WMU	1,010,316
K9SD	798,187
NCØP	669,123
KA4RRU	605,665
WT2Q	602,426
WØAIH	580,152
N3KZ	520,884

IARU Headquarters Stations

HG95HQ (HA1s FF,WD,YA,HA2RX,HA4YD,HA5s AWH,BGG,BSW,BWW,CQA,FM,GF,IW,KS,LN,MK,ML,NG,OM,TI,UA,WE,YN,ZD,HG5s CCC,CNC,HA6s DX,FQ,GK,IAB,ND,NF,NL,NQ,NY,OB,OI,OQ,OY,PN,PX,BA,VH,WI,WP,WQ,WX,ZS,ZV,HG6IPQ,HA7s JES,PO,RY,VB,HA8s IB,IE,HA9AX,ops)

9,287,492 9348 314

OM5HQ (OM3s JW,KAG,KAP,KCM,KFF,KIL,KZY,RJB,RKA,RMM,ops)

8,095,005 8517 305

EM5HQ (US1s IDX,ITU,UT2s IA,ID,II,IJ,IM,IO,IV,UR3IKY,UR5IFZ,UT5IZO,US8ISC,UT8s IA,IM,UX8IX,US-1-602,-603,-700,ops)

8,052,860 7904 274

YR0A (Y02s ADQ,ARA,AVM,BBT,BEO,BP,CBF,DFA,GL,YO3s APJ,BWK,CDN,FF,FRI,FU,FWC,ATW,HW,NF,SI,FX,YO4s ATW,HW,NF,SI,FX,YO5s CUQ,DMB,TE,YO6s AWR,FUE,YO7UP,YO8s AXP,BAM,BIG,CT,EQ,WW,ops)

7,918,772 7659 284

DA0HQ (DL1s ASA,AUZ,AWI,DTL,EMY,DK2OY,DL2s EBY,HTO,MEH,OFB,DL3s APO,DXX,OI,RMA,DL4s MM,RDJ,DL5s ANT,AOM,ATD,AXX,XU,DK6WL,DL6MYL,DF7RX,DJ7AA,DL7s UTA,VNF,VOA,DL8s HWA,MVG,DL9AWI,ops)

7,258,828 9233 292

S50HQ (S50s A,R,S51s AY,IX,OI,ZO,S52ZO,S56A,S57s AL,O,W,S58s A,AB,FA,S59A,ops)

7,022,966 7789 298

SP0HQ (SP2s EBG,FWC,SP3s ASN,GEM,HLM,RBI,RBR,SP5s BYY,INQ,JTM,SP6s CZ,HEQ,HFZ,VGP,XRZ,SP7GIQ,SP8NR,SP9s EIJ,IUM,ops)

6,882,645 7305 295

W1AW (K1s CC,KI,TO,ZZ,W1s OD,RM,AAZ,K5FUV,N6BV,ops)

6,839,532 9745 252

LZ7A (LZ1s GL,LF,MC,PJ,ZD,LZ2s JE,UU,ZF,LZ3s FN,FM,GU,LZ4s AX,ZF,ops)

3,440,310 4872 246

ER7A (ER1s AP,DA,M,OO,ER3s AL,DX,ED,KS,OO,ZZ,ER5s AA,AL,DX,OK,WU,ops)

1,478,750 2782 169

YU0HQ (YU7s AV,BJ,GQ,GO,NF,NW,YZ7UN,4N7DW,ops)

1,214,748 2396 153

IY2ARI (I2MQP,IK2VJF,ops)

1,031,240 2000 145

SK3HQ (SM3s CER,DMP,RAB,ops)

821,548 1627 143

LT4E (LU2BDG,LU4AHV,LU6BEG,LU8AQE,ops)

683,410 1139 130

GB5HQ (G1AOF,G3TRU,G4WSE,G0s DBE,IEQ,KXL,PZO,STU,WAB,ops)

647,946 1495 142

8J3XHQ (JA3s MAU,SVG,JF3EIG,JG3RPL,JH3HOA,Ji3s ERV,XOM,JJ3WPF,JJ3s DZA,TEN,JQ3HDD,ops)

325,668 1313 84

4V100RC (HH2s B,JO,JR,ops)

239,946 2758 87

LX0RL (LX1s KQ,Ti,ops)

204,972 706 87

LY1RMD (LY1DC,op)

189,288 735 99

XJ7RAC (VE7SBQ,op)

129,356 452 73

HB9A (HB9DDZ,op)

74,998 372 77

Z30RSM (+ops)

33,762 662 51

far behind HA0MM in the race for second, either, falling just 7k short. Whew! It's pretty obvious to us that one way to ensure a good score is to be in one of those locales with a direct shot to Europe.

These folks weren't the only ones to turn in great scores. Tyler, KF3P, came out of nowhere to win the US mixed mode, and John, WB2K, jumped up a couple of spots to win on phone. Steve, N2IC/Ø, had the best of both worlds: not only were the bands (especially 20) open to Asia, but he was able to work Europeans, too! That was enough for first place W/VE on CW!

So, are you feeling lucky? Out for blood? Or just looking for a good excuse to get out of the hot July sun? Whichever way you feel, the next IARU HF World Championship is only a couple of months away—July 13-14. Why, it'll be here before you know it. In fact, the IARU records are now available in the new *ARRL Contest Yearbook*. What better way to motivate yourself to get on the air?

SOAPBOX

I wasn't able to work the entire contest, but did enjoy picking here and there. I also found that the conditions from this area weren't too bad for this part of the sunspot cycle (KL7Y). This was our team's first effort from Alaska, but we'll be in there during the next contest (KL7/DF4ZY). The band conditions were not that great, but still enjoyable. There certainly was a dearth of Western European stations. Thank goodness there were a lot of Russian stations on the air to fill the gaps. This was a great contest, though (VE3CWE). This was my first IARU contest and I had so much fun that I will be back for the next one (VE9ZL). I was able to make about the same amount of contacts as last year. The bands did not seem as active as they were last year. It certainly seemed good to see all of the Headquarters stations on the air (N4TQO). I am 14 years old and I have been a ham for one year. These were the best band conditions I've ever operated in. I'm looking forward to participating in the contest next year (AC6NS). I only had a few hours to participate in the contest but hope to put an honest effort in next year (K7OX). This was a limited operation for me due to a busy schedule, but I still had a lot of fun (N6TR). This is an excellent contest for those that have a modest station and I wish I had had more time to operate (N7ENU). The propagation was just good enough to let you know that the stations were out there, but not good enough to copy them well. The multipliers just were not there, and again this year there were very few Central and South American stations heard (N5EA). It certainly was a hot contest, as it was 93° in the shack. My air conditioner bit the dust on Friday evening before the contest and I didn't

get back on line until late Saturday afternoon, but the contest was already 10 hours old by that point (N5NMX). This is a fantastic contest and the rules are terrific. The propagation conditions were excellent and I'll be back for the next contest (N3BB). The only thing that I have ever done is CW ragchewing. This was my first contest and I found it a great deal of fun—I'll be back for next year's (KG0KR). The contest was superb and it seems that summertime conditions during the sunspot cycle minimum were excellent (K7SV). This is one of my favorite contests and I had a lot of fun (NZ5O). I worked with only 100 W, and, considering the sunspot cycle, I was very satisfied with the responses that I received—especially since this was only my second contest (KB8QO). This was a great time and a great contest, and 20 meters was still the workhorse, as usual. Any one who misses this contest is missing a summer classic (K8GL). I find that when the conditions are right this contest is more fun than any other. Conditions were more than right, they were superb on all bands for the entire period. Thanks to the Russians and Europeans for their usual good showing (N9AG). This was my first IARU contest and it positively will not be my last (N9XBM). This was my first attempt at this contest and it took a while to realize that the multipliers are more important than the contacts. I never thought I'd work that many stations from my own zone and in between the DX stations. There were good band openings and strong signals, but not like the big sunspot days. I look forward to a bigger score next year, somehow (KJ9C). This was a great contest, considering that the band conditions were not very good. There was lots of activity (AA9BJ). This was my first contest and I found it really exciting and fun to operate. I plan to enter it again next year (XE2CWW). It was a great pleasure—I enjoyed a very good time in this contest and appreciated being able to participate (XE2Z). The conditions this year were again excellent and the only problem that I had was with my 160-meter dipole just before the contest (OH6NIO). I tuned up and down the bands looking for a VK or ZL on several bands but without any luck. There was a great opening on 20 meters to W6 in the morning here and this allowed me to better my scores over the past couple of years (OZ5EV). This was my first time operating in the contest because of my busy schedule and I enjoyed the time that I operated CW (OH6YF). This is one of the most pleasant contests of the year, and it was a pleasure to work all six bands (SM4BTF). This was an excellent contest and I enjoyed it very much. I look forward to next year's (UA1PAC). My time was limited, but I was able to make a few contacts and make a few people happy with the points from my area. I will be back next year and hope to do better (PA3AEB). This is my very best contest effort of the year and I enjoyed it very much (F5JBR). There seemed to be quite a bit of activity on the bands. I would like to have a stacked array, but you have to do the best with what you have. I enjoyed the contest except around 0500Z, when the pain really set in (G0LII). This was my first contest alone and I enjoyed it very much (PA3EXI). This has always been a very pleasant contest (ON5CZ). There was lots of activity, plenty of big signals and lots of fun in this contest (PA3DWJ). This year the contest was a real summer sizzler, it was 30° C outside and 40° C inside the



Mario, 5B4WN, operating C47W, should have been an easy Zone 39 multiplier!



Need Vietnam? Nickolai, 3W5FM, handed out a few QSOs.

shack. The propagation was excellent on 20 meters and held in there all night long. I know that I will be back next year to try and break my previous record (DL3KDV). This was a great contest but I was handicapped by a visit by my mother-in-law (DL7ANQ). I really enjoy low-power contesting, and so did my neighbors (S57U). I really enjoyed the contest and especially working 15 meters (SO5TW). This was a most enjoyable contest and I was able to work my first Americans on 40 meters with only 15 W (SP2WDW). This was an excellent contest and I enjoyed it very much (SP9MDY). I am 15 years old and visually impaired. I enjoyed the CW part of the contest (SQ9BZK). This was a very exciting contest, but I found 10 and 15 lacking during most of the time (YO5BQ). This was my 18th IARU contest and it was just as exciting as the first one that I entered (YU7SF). Murphy hit twice during the contest, I had to repair the amplifier and lost nearly an hour in the process. Despite the problems, I had fun. There was a great opening to the West Coast on Sunday morning (LY6M). This was an exciting contest and the activity was better than last year (UT5UGR). This was a superb contest. We didn't sleep for 24 hours. There was great activity from the USA and Europe but we didn't hear anything from Japan (RS3A). This was my first contest after serving my required time in the Army. I enjoyed being a civilian, but I especially enjoyed the contest (UA4AVN). There was strong QRN on Saturday night and it left me with a low score on 40 meters. The only ones that I could work were the big guns, but I was compensated by an excellent opening on 10 meters (EA3EJI). The propagation was not too good to this part of the world, but I still enjoyed the contest and I know I will be back (7K2DOD). I found the conditions on 40 and 20 meters to be excellent. It was great to work many fine USA stations. I tried using the computer to key the rig, but it was very hard to get used to (JH0GHZ). I only had a few hours to enjoy the contest from the field, but it was fun under these conditions (J13KDH/3). I used only a 6-foot-long, 10-foot-high whip antenna. Even though my station was a weak one, there were many stations that heard me and it made for an exciting contest for me (JL7PVR/1). The propagation was just barely good on 20 meters, which I enjoyed even though I only operated during the last half hour of the contest. It was the signals from W1AW that piqued my interest to join the contest (JF1SQC).

Feedback—1994 IARU HF World Championship

See February 1995 QST, pp 100-104.
WB2K's score was 820,068. This made him the Eastern Pennsylvania CW leader, as well as fourth place W/VE and seventh place overall. WX9E was left out of the results for Illinois. His line score was 35,640-204-60-A.

The Way To Win At W1AW

Well, not exactly. This year's ARRL effort was a bit different than those of the past—rather than trying to deal with the limited resources (and limited space) at W1AW, this year the show went on the road—to the superstation of Tom, K1K1. Tom says, "Our basic goal was to put more QSOs into the W1AW log than in previous years, and we sure met our goals! Conditions were much better than we expected—it's hard to believe we made nearly 10,000 QSOs in 24 hours."

So they may not have won, but they sure had one whale of a time! Without any further ado, here's a band-by-band (and blow-by-blow) description of what it was like, through Tom's eyes:

"We didn't spend enough time on 160. We timeshared this band with 80 CW, and the rates were better on 80. We heard several European HQ stations we couldn't work because of QRM. Our last European QSO was at 0415Z with TM1C (shortly after their sunrise).

"We worked our first European on 80 at 2330Z, and our last at 0445Z. It was pretty noisy all night. We worked KL7Y at 0830Z. We were able to keep USA runs going all day long—it was sort of like Sweepstakes!

"On 40, the band was open to Europe from 2115 to 0604Z. We worked a couple of JAs, but conditions were not so good—we stole the SSB amplifier for 80 CW Saturday evening. 5W1AU QSYed from 20 to 15 to 40 for us, but he had no key and the SSB QSO through the broadcast QRM was difficult, especially for a dedicated CW operator!

"We didn't work our first European on 20 meters until QSO number 48, but they were there for almost 24 hours. The USA runs were longer and louder, however. The JA run Sunday morning was just like the good old days! After working an HL, we asked if there was a DU on frequency, and DU1SSG called in.

"On 15 meters, the Europeans were weak most of the day, but they kept calling. We must have worked enough W4 QSOs for the Worked All W4 Award. After 0600Z (2 AM, local time!) the VKs faded, and the Europeans came back in through the end of the contest. We worked a few JAs and got ready for a big JA run that ended with just six JA QSOs.

"I'm certain that we qualified for the Worked Almost All Newcomers Award on 10 meters. There seemed to be an endless list of KE4xxx QSOs, but it was actually only 50 (plus two KF4xxx stations). Midnight brought a pipeline into W9 and we sent people from 20 and 15 to 10. We even found KH6, FO, and VK! The rate dropped below 20 at 0645Z, so we got some sleep and started up at 1000Z with some more European stations.

"Our rate for the entire contest was 409; our best hour (1447Z to 1547Z) had 707 QSOs, and our best minute was 1538Z, when we made 19. We didn't get much help from packet, but it all adds up. We also found out that there are limits as to how many amplifiers (six at 1400 W) can run off my two 220-V circuits. We popped the breakers three times.

"Out of the 9821 QSOs (including duplicates), we worked 6689 unique call signs. Nothing beats working people who say that they've been a ham for 40, 45, 50 or more years and never worked W1AW before. It was really fun! We can do better next time!"



Here's the number one Multioperator team at UU5J: (l-r, sitting) UU5JR, UU5JQ, UB7-067-2; (l-r, standing) UU3JD, UU2JZ, and UU4JDF.



If S50HQ was one of your multipliers, you surely must have worked one of these ops: (l-r, first row) S58A, S51ZP, S55T, S52ZW, S51IX, S56A; (l-r, second row) S59A, S57W, S51OI; (l-r, third row) S51DB, S50A, S52EZ, S58AB; (l-r, back row) S51RS, S57O, S50R, S51AY, S58FA.

Scores

Scores are listed by ITU zone and then by country, ARRL section or Canadian province within the zone. Line scores indicate call sign, final score, QSOs, multipliers and entry class (A = single operator, mixed mode, B = single operator, phone only; C = single operator, CW only; D = multiplieroperator, single transmitter).

Zone 1				Alaska				Utah				Western Washington				Zone 7				W5				Arkansas				Louisiana				Mississippi				North Texas				South Texas				Illinois				West Texas				W9				Colorado				Iowa				Kansas				Minnesota				North Dakota				Nebraska				Zone 8				W1				Connecticut				W1				Arizona				Eastern Washington				Idaho				Montana				Nevada				Oregon				W7				W1				W2				W3				W4				Alabama				W2				W3				W4				W5				W6				W7				W8				W9				W10				W11				W12				W13				W14				W15				W16				W17				W18				W19				W20				W21				W22				W23				W24				W25				W26				W27				W28				W29				W30				W31				W32				W33				W34				W35				W36				W37				W38				W39				W40				W41				W42				W43				W44				W45				W46				W47				W48				W49				W50				W51				W52				W53				W54				W55				W56				W57				W58				W59				W60				W61				W62				W63				W64				W65				W66				W67				W68				W69				W70				W71				W72				W73				W74				W75				W76				W77				W78				W79				W80				W81				W82				W83				W84				W85				W86				W87				W88				W89				W90				W91				W92				W93				W94				W95				W96				W97				W98				W99				W100				W101				W102				W103				W104				W105				W106				W107				W108				W109				W110				W111				W112				W113				W114				W115				W116				W117				W118				W119				W120				W121				W122				W123				W124				W125				W126				W127				W128				W129				W130				W131				W132				W133				W134				W135				W136				W137				W138				W139				W140				W141				W142				W143				W144				W145				W146				W147				W148				W149				W150				W151				W152				W153				W154				W155				W156				W157				W158				W159				W160				W161				W162				W163				W164				W165				W166				W167				W168				W169				W170				W171				W172				W173				W174				W175				W176				W177				W178				W179				W180				W181				W182				W183				W184				W185				W186				W187				W188				W189				W190				W191				W192				W193				W194				W195				W196				W197				W198				W199				W200				W201				W202				W203				W204				W205				W206				W207				W208				W209				W210				W211				W212				W213				W214				W215				W216				W217				W218				W219				W220				W221				W222				W223				W224				W225				W226				W227				W228				W229				W230				W231				W232				W233				W234				W235				W236				W237				W238				W239				W240				W241				W242				W243				W244				W245				W246				W247				W248				W249				W250				W251				W252				W253				W254				W255				W256				W257				W258				W259				W260				W261				W262				W263				W264				W265				W266				W267				W268				W269				W270				W271				W272				W273				W274				W275				W276				W277				W278				W279				W280				W281				W282				W283				W284				W285				W286				W287				W288				W289				W290				W291				W292				W293				W294				W295				W296				W297				W298				W299				W300				W301				W302				W303				W304				W305				W306				W307				W308				W309				W310				W311				W312				W313				W314				W315				W316				W317				W318				W319				W320				W321				W322				W323				W324				W325				W326				W327				W328				W329				W330				W331				W332				W333				W334				W335				W336				W337				W338				W339				W340				W341				W342				W343				W344				W345				W346				W347				W348				W349				W350				W351				W352				W353				W354				W355				W356				W357				W358				W359				W360				W361				W362				W363				W364				W365				W366				W367				W368				W369				W370				W371				W372				W373				W374				W375				W376				W377				W378				W379				W380				W381				W382				W383				W384				W385				W386				W387				W388				W389				W390				W391				W392				W393				W394				W395				W396				W397				W398				W399				W400				W401				W402				W403				W404				W405				W406				W407				W408				W409				W410				W411				W412				W413				W414				W415				W416				W417				W418				W419				W420				W421				W422				W423				W424				W425				W426				W427				W428				W429				W430				W431				W432				W433				W434				W435				W436				W437				W438				W439				W440				W441				W442				W443				W444				W445				W446				W447				W448				W449				W450				W451				W452				W453				W454				W455				W456				W457				W458				W459				W460				W461				W462				W463				W464				W465				W466				W467				W468				W469				W470				W471				W472				W473				W474				W475				W476				W477				W478				W479				W480				W481				W482				W483				W484				W485				W486				W487				W488				W489				W490				W491				W492				W493				W494				W495				W496				W497				W498				W499				W500				W501				W502				W503				W504				W505				W506				W507				W508				W509				W510				W511				W512				W513				W514				W515				W516				W517				W518				W519				W520				W521				W522				W523				W524				W525				W526				W527				W528				W529				W530				W531				W532				W533				W534				W535				W536				W537				W538				W539				W540				W541				W542				W543				W544				W545				W546				W547				W548				W549				W550				W551				W552				W553				W554				W555				W556				W557				W558				W559				W560				W561				W562				W563				W564				W565				W566				W567				W568				W569				W570				W571				W572				W573				W574				W575				W576				W577				W578				W579				W580				W581				W582				W583				W584				W585				W586				W587				W588				W589				W590				W591				W592				W593				W594				W595				W596				W597				W598				W599				W600				W601				W602				W603				W604				W605				W606				W607				W608				W609				W610				W611				W612				W613				W614				W615				W616				W617				W618				W619				W620				W621				W622				W623				W624				W625				W626				W627				W62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RZ0LWA (RA0LSO,RW0LMF,
UA0LHT,ops) 44,838 236 53 D

Zone 36

Madeira Islands

CQ3B (CT3EE, op)
657,597 1245 109 B

Azores

CU3FQ 167,172 833 95 B
CU3AV 54,050 371 50 B

Canary Islands

EA8DXD 3,088 52 22 B

Zone 37

Spain

EA7DPU 245,300 667 110 A
EA2CR 11,211 102 37 A
EA1UX 328,605 1008 95 B
EA5GRC 233,649 615 117 B
EA3BOX 187,999 531 107 B
EA3GHQ 179,280 457 120 B
EA3ELZ 76,349 269 91 B
EA1FBU 67,575 305 51 B
EA1EB 64,296 276 76 B
EA5EYJ 59,616 260 69 B
EA1FDG 47,160 353 40 B
EA5EIL 37,764 291 42 B
EA1OB 37,084 153 73 B
EC3CIL 34,112 434 26 B
EA1BEZ 31,500 191 60 B
EA1OT 6,180 76 30 B
EA3AMV 3,948 68 21 B
EC5ACZ 2,190 68 10 B
EA1BLF 1,092 26 14 B
EA1DLN 1,092 26 14 B
EA3GIW 720 26 12 B
EA3AJW 61,245 297 45 C
EA7FZ 44,320 190 80 C
EA5DLT 12,920 116 34 C
EA7AAW 1,349 33 19 C
EA3EJI (+NET) 156,816 432 121 D

Balearic Islands

EA6ACF 13,638 271 33 B
EA6ACZ 11,172 120 42 B
EA6JN 3,444 50 21 B
EA6ZS 7,192 76 29 C

Ceuta and Melilla

EA9IE (YU1RL,op)
2,911,184 2888 212 A

Zone 39

Israel

4Z4TA 129,516 308 86 A
4Z5FW 8,330 98 17 A
4X1VF 4,471 52 17 C

Cyprus

C47W (5B4WN,op)
1,356,516 1948 147 C

Lebanon

OK1EE/OD5 893,500 1506 125 C

Turkey

TA2ZW 1,147,248 1761 144 A

Iraq

YI9CW (SP5AHC,op)
157,868 566 61 C

Zone 41

India

VU2TLO 155,308 432 82 C

Zone 44

Taiwan

BV2FG 184,955 657 71 A
BV2FI 88,320 338 44 B

China

BY1BY (BG1s JX,MK,BZ1DCH, ops)
20,492 122 47 B

South Korea

HL5AP 47,412 283 54 C
HL0K (DS1AII,DS2AFP,HL1s LME,ODG,
HL2IDN,ops) 40,876 289 44 D

Hong Kong

VS6BG 58,351 271 59 C

Zone 45

Japan

JH5FXP 667,464 1080 137 A
JA2JNA 195,920 376 124 A
JR4GPA 154,584 705 72 A
JA7KBR 76,610 219 94 A
JL3SBE 72,542 266 83 A
JA1BUI 69,342 221 78 A
JK2VOC 65,412 264 69 A
JA6IP 17,700 99 50 A
JE9LLO 6,510 53 30 A
JQ1NGT 6,160 84 22 A
JA1AB 6,120 61 24 A
JG1RDV 3,850 71 25 A
JA4HIX 2,413 33 19 A
JH5ZCP (JR5JAQ,op)
384,356 844 106 B

JH4RHF 95,628 298 78 B
JH0HON 82,144 56 30 B
JH1UUT 49,600 255 64 B
7K2DOD 21,504 110 48 B
JH6FHJ 18,960 115 48 B
JA7BEW 14,792 59 32 B
JR7WAB 11,491 200 26 B
JR9NVB 8,954 66 37 B
JR1MRG 6,358 49 34 B
JE1UFF 2,982 38 21 B
JA2GHP 2,592 40 18 B
JR7LVK 2,460 43 20 B
JA1STY 1,652 34 14 B
JA9KUG 1,456 22 16 B
JA2BEY 1,157 23 13 B
JA1DY 456 16 6 B
JH2WHS 324 48 6 B
JG1GCO 189 7 7 B
JA1JLP 45 13 2 B
JA1IDY 407,365 702 113 C
JR7OMD/2 247,044 510 119 C
JA9CWJ 217,251 489 101 C
JP6JKK 191,961 652 77 C

JS1OYN 117,924 322 93 C
JF3IUC 101,288 291 88 C
JH0GHZ 85,374 248 81 C
JM1NKT 61,364 250 58 C
JA5APU 59,472 328 42 C
JA3ARM 57,836 207 76 C
JF3GKE 53,370 294 45 C
JA1WYQ 47,064 157 74 C
JR2BNF/1 29,971 153 43 C
JH6TYD 25,152 131 48 C
JA1QN 22,425 141 39 C
JA1KI 19,844 109 44 C
JA7COI 17,646 121 34 C
JH1DYV 17,064 112 36 C
JA2SWF 11,715 81 33 C
JA8SPZ 11,322 78 37 C
JA6CM 10,140 74 30 C
JI3KDH/3 9,342 88 27 C
JA2MOG 8,512 66 32 C
JR9FJY 7,920 60 33 C
JO2CKU 5,346 68 27 C
JA2GTW 4,599 51 21 C
JA2QVP 3,717 45 21 C
JA1XEM 3,655 55 17 C
JA7DNO 2,912 40 16 C
JL7PVR/1 1,290 29 10 C
JF1SQC 1,280 20 16 C
JA8AJE 1,269 35 9 C
JJ2KFF 1,248 24 13 C
JA1AAT 931 22 7 C
JH1JGZ 891 25 11 C
JA3AVO 711 17 9 C
JA3BCT 204 8 5 C

JA7YAA (JE1AMC,JF1s CKX,SXL,
JG7PSJ, JR0SPG,ops)
763,147 1417 119 D
JA0YAK (JF1USQ,JI7TDR,JM7SGO,
JE0ETP,JF0ESV,ops)
220,920 651 84 D

Zone 46

Nigeria

5N0MVE 846,264 1208 148 B
5N0GC 755,760 1134 141 B

Zone 49

Vietnam

3W5FM 8,096 156 16 A

Zone 50

Philippines

DU1SSR 36,405 179 45 B
OH0XX/DU1 11,085 152 14 C
4G2X (DU2s AYL,BBH,RK,DY2BRL,
4F2s IR,MD,ops)
353,632 850 86 D

Zone 52

Angola

D2TT (ON6TT,op)
448,440 980 95 B

Zone 54

Indonesia

YB2CPO 37,640 201 40 B
YC1JZF 9,020 86 22 B
YB0ASI (AA4U,op)
138,498 363 82 C

Zone 55

Australia

VK4TT 35,061 229 31 C
VK4MZ (+VK4EMM)
572,314 907 134 D

Zone 57

South Africa

ZS9F (ZS6YA,op)
95,976 282 86 B
ZS6CAX 19,395 101 45 C
ZS6AJS 6,386 54 31 C

Zone 59

Australia

VK5GN 201,572 467 92 A
VK2VM 14,820 86 38 A
VK2ARJ 66,261 357 39 B
VK2APK 344,080 644 115 C

Zone 60

New Zealand

ZL2AGY 243,360 628 80 C

Zone 61

Hawaii

KH6FKG 90,650 500 37 B
WH6CQH 56,940 302 39 B
WH6PK 20,590 150 29 B

Zone 63

French Polynesia

FO5IW 482,963 1029 97 B

Zone 65

Marshall Islands

V73CO (KE6TDY,op)
6,400 64 20 C

Checklogs

4S7WP, DH5DAK, DJ0MAQ,
DL0MWG, DL0SH, DL2AKF, DL2DWA,
DL2HUM, DL3HTR, DL3NEO, DL4AMA,
DL5AMF, EA1AKP, EA5JC/EA1,
EA8BXQ, EC7FAB, HA3GN, JR0BAT,
JR1XKU, KL7UR, LA4OGA, LA7CL,
LA8CE, LA8LA, LZ1KVF, LZ1VQ,
LZ2UA, LZ2UA, N0XCF, NG3K,
OH2KQ, OK2SNX, OM4JD, PA0TV,
PA3CNI, PA3FYF, PY3CJI, RV3VF,
SM0CSX, SM0GKF, SM0NJO,
SP1GZT, SP2HHX, SP2LNW,
SP3NGB, SP4TJS, SP5KDK, SP6DMJ,
SP6LK, SP7VCA, SP7VCK, SP9HOF,
SV2YC, UA0YAY, UA1QBE, UA3WCN,
UN7EAT, UN9PQ, WD4FJP, XE1LM
(XE1PE, op), YO5QCA, YO9HH,
YV2FEQ.

QST