

1998 IARU HF World Championship Results

Summertime contests are...different. Absorption creates difficult propagation, sporadic E can occur at any time, and summer thunderstorms present a special challenge to operation on the lower frequency bands. Squeeze in vacation time and trips to the beaches in the Northern Hemisphere. Sprinkle in cold winter nights south of the equator, and you find a number of challenges to be conquered. Nevertheless, once again the IARU HF Championship proved to be one of the most popular worldwide contests, attracting over 1300 entries from most of the IARU zones across the globe.

Three different continents produced champions this year. The place to be during this year's running appears to have been Cyprus (5B). The top finishers in the CW and Multiop categories hailed from that Mediterranean island, as well as two more Top Ten Phone stations and another Top Ten Multi-op station. Congratulations to world winners in Mixed Mode DL6FBL; Phone Only 5X1T (ON6TT op); CW Only C4A (5B4ADA op); and Multiop H20A. Kudos to 5B4ADA operating C4A who set a new IARU HF World Championship CW Only record with 2,768,640 points, shattering the old record by over 715,000 points. A special acknowledgement goes to LT1F who also shattered the old mark but fell 240,000 points off the torrid pace set at C4A.

On the W/VE side, Top Ten stations appeared from several regions, with Canadian XJ3EJ (VE3EJ op) placing third worldwide in the Mixed Mode category as well as taking top W/VE honors in that category. John also set a new Mixed Mode W/VE record of 2,137,960 which shattered the mark he set last year by 369,000 points. K5TR (at W5KFT) paced the Phone Only scores for W/VE while establishing a new record for the category. K5ZD led the way for CW Only and became the first W/VE to break the 2 million point barrier for that category. In one of the tightest finishes in quite a while the gang operating WU4G edged out the crew at N3BB to take the top Multioperator W/VE championship, even though both surpassed the old W/VE record set in 1992. Top Ten finishes are seen from many areas of the US and Canada as the multiplier

Top World Scores

Mixed Mode		CW Only	
Call	Score	Call	Score
DL6FBL	2,277,587	C4A	2,768,640
EA8/OH2BYS	2,268,344	(5B4ADA,op)	
XJ3EJ	2,137,960	LT1F	2,528,524
	(VE3EJ,op)	K5ZD	2,067,062
EA3KU	1,895,517	W4AN	1,846,678
WP2Z	1,833,349	8P0V	1,832,272
	(AG8L,op)	6Y6A	1,539,825
W3LPL	1,826,140	K1TO	1,509,567
	(KE3Q,op)	9A7A	1,497,890
YT1AD	1,771,308	IR2W	1,448,160
K3ZO	1,766,336	(I2VXJ,op)	
KQ2M	1,711,300	9A9A	1,387,800
UA3RAR	1,615,866		
		Multioperator	
		Phone Only	
		CW Only	
		Score	
		H20A	5,481,752
5X1T	2,583,504	P3A	5,451,576
	(ON6TT,op)	HG6N	3,560,270
4X2F	2,450,553	HG1S	2,938,880
	(4Z5JK,op)	RZ9AZA	2,553,657
C40M	2,415,276	IR4T	2,550,000
	(5B4AFM,op)	EW5O	2,495,080
P3P	1,815,220	HC8A	2,417,415
	(5B4LP,op)	RK3AWL	2,266,250
IR6F	1,538,604	RZ3Q	2,184,744
	(IK6BOB,op)		
S50A	1,530,675		
H22H	1,456,218		
	(5B4MF,op)		
UT7DX	1,418,178		
UX0MM	1,374,478		
K5TR	1,314,423		
	(at W5KFT)		

structure of the contest tends to level the playing field for entrants from all across North America.

For the Headquarters stations, there was



The UX3M team: (clockwise from back left) included UR5MTA, UR3MC, UR5MAW, UR5MTJ, UR7MR, UR5MNL and UR3MP.

Top W/VE Scores

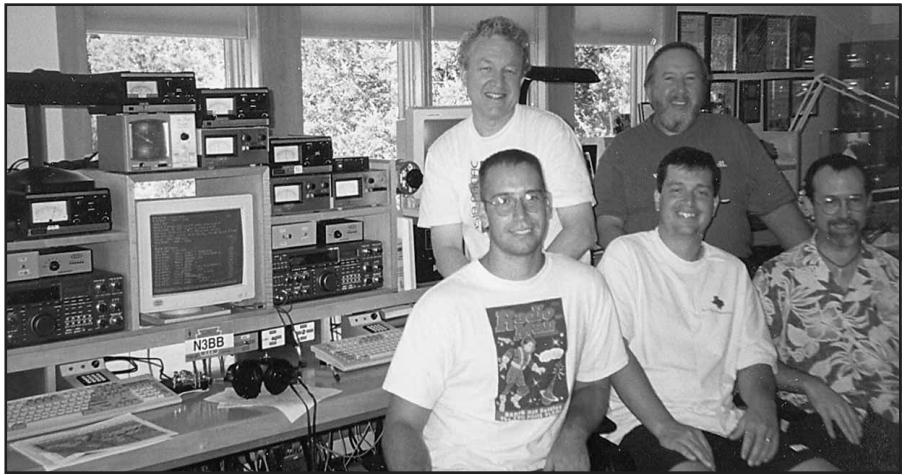
Mixed Mode		CW Only	
Call	Score	Call	Score
XJ3EJ	2,137,960	K5ZD	2,067,062
	(VE3EJ,op)	W4AN	1,846,678
W3LPL	1,826,140	K1TO	1,509,567
	(KE3Q,op)	K3ZO	1,246,138
KQ2M	1,711,300	VO1MP	1,149,480
	(at N8NR)	AA3B	1,060,514
XK7SZ	1,329,482	KT3Y	958,433
	(VE7NTT,op)	WC4E	933,282
N9AG	1,271,160	K9IG	921,225
	(K7SV)	K7SV	874,412
		Multioperator	
N5JR	876,288	Call	Score
N6ED	822,950	WU4G	1,796,005
W0TM	816,156	N3BB	1,792,036
		K5MR	1,599,442
Phone Only		N1BB	1,442,721
		K5TR	1,314,423
	(at W5KFT)	K8AZ	1,420,212
		K8CC	1,398,600
		W4PA	1,344,525
WB9Z	1,069,328	K2LE	1,173,879
N2QT	807,048	K3EST	969,246
W7NN	762,246	K5NZ	950,544
VE1JX	659,664		
	(K6HNZ,op)		
N4UH	645,507		
N2TX	604,044		
WS1A	576,600		
N6WLX	521,572		
KQ3V	518,140		

DA0HQ, and then there was the rest of the pack. While their 11,110,944 points did not set a new HQ station record, it was good enough to distance themselves from the two runner-up stations; 12,568 QSOs and 377 multipliers under *any* condition is outstanding. OL8HQ took second place among the 34 HQ stations and IARU officials on the air for the event.

As in most competitive endeavors, that which is not prohibited under the rules is permitted. Rules for this contest are different from most others. There is no 500-meter circle rule for multiops, something that HQ stations and certain other multiops have used to their advantage. While there is a band change limitation for multiops, there has not been a mode change rule. This has allowed multiops in some jurisdictions to alternate CW and phone contacts on a single band—a great advantage over those who operated under the traditional rules. However, look for a rule change in 1999 requiring band and/or mode changes to be made under the 10-minute rule. It's hard to imagine how simultaneous transmissions, which aren't permitted under the rules except for HQ stations, are prevented with a combination of split site

IARU Headquarters Stations

DA0HQ (DF8XC,DJ7AA,DK3WW,DK4WA,DK7YY, DK8YY,DL1AOB,DL1AOQ,DL1ASA,DL1AWI,DL1AWD, DL1AUZ,DL1DTL,DL1VDL,DL2KUW,DL2OBF,DL2OE, DL2SAX,DL3ABL,DL3ALI,DL3APO,DL3DXX,DL3OI, DL3TD,DL4ALB,DL5MX,DL5XU,DL5YY,DL6MHW, DL6MYL,DL7AU,DL7BY,DL7IO,DL7IQ,DL7VOA, DL7VRO,DL7UBA,DL7URH,DL7UTM,DL8AKA,DL8ALU, DL9AU,DL8WAA.DL9AWI,YB1AQS,ops) 11,110,944 12568 377
OL8HQ (OK1ADM,OK1AEZ,OK1AU,OK1AXB,OK1CF, OK1CM,OK1CW,OK1DIG,OK1DNR,OK1TA,OK1F, OK1FLM,OK1FUA,OK1GW,OK1HSK,OK1MD, OK1MD,OK1MR,OK1RI,OK1RR,OK1TA,OK1TC, OK1TN,OK2FD,OK2PAY,OK1RZ,OK1RZ,OK1ZU, ops) 10,059,626 10658 361
OM8HQ (OM8AA,OM8AU,OM2TW,OM3EI,OM5RW, OM5ZW,OM5RM,OM5DP,OM5MZ,OM3BH,OM6NM, OM1KM,OM3RG,OM3NA,OM5DX,OM2RA,OM3RM, OM3LU,OM3EA,OM8AM,OM8AW,OM3DX,OM3CD, OM5MB,OM5NA,OM3JW,OM5FM,OM5MF,ops) 9,490,357 9199 349
NU1AW (+K1CC, K1KI, K1RO, K1ZZ, N1RL, W1WEF, KM1P, K2KQ, K5FUV, N6BV, ops) 8,800,871 7871 317
R3HQ/6 (UA3AGW,RA4AJF/6,UA6AF,UA6AN, UA6AY,UA6AHF,UA6LO,UA6LU,UA6LV,UA6LFQ, UT6IZ,RA6AX,RA6CM,RA6CO,RA6YY,RA6YDX, RN6BN,RN6LG,RU6AB,RU6LG,RV6ASU,RV6LNA, RV6YY,RV6YZ,RW6YY,RX6BA,RZ6AZ,ops) 8,509,481 7736 347
HG5NHQ 8,065,008 7960 336
P40HQ (P43E,P43P,P43T,P43W,P49V,ops) 7,559,682 6340 247
YU0HQ (YU7AU,YU7AV,YU7AX,YU7BCL,YU7BY,YU7BW, U7CB,YU7CM,YU7FN,YU7JX,YU7KW,YU7GO, U7GW,YU7NU,YU7NNW,YU7OA,YU7WA,YU7YG, YT7KF,YT7TY,YZ7AA,YZ7UN,4N7EA,4N7CA,4N7DW, 4N7TW,4N7ZZ,ops) 7,421,865 7872 341
YP0A 6,798,208 8434 346
PA6HQ (PA3REC,PA3EPD,PA3ELV,PA3BSQ, PA3FWV,PA3ALK,PA3BAG,PA3CMG,PA3GZX, PE1LAU,PB0ALB,PE1LV,PA0LE,PA0VHA,PA3FWG, PA/DF8MQ,PA/HAIAG,PA3BBP,PA3BTH,PA3CAL, PA3DMH,PA3ELD,PA3EW,PA3FDO,PA3FQA, PA3GBQ,PB0AIC,PE1PZS,ops) 6,663,457 7187 313
LY60RMD (LY1BA,LY1BW,LY1DL,LY1DT,LY1DQ, LY1FF,LY2BIL,LY2BKF,LY2BT,LY2HM,LY2IJ, LY2KW,LY2PAJ,LY2PX,LY3JJ,LY3MM,LY3NFW, LY4CW,ops) 6,411,333 6107 321
EM5HQ 6,086,430 6028 315
ER7A (US0ZZ,US7ZM,ER5WU,ER5OK,ER5DX,UX3FW, UX0FF,ER3DX,ER3OO,ER1LW,ER5AA,ER5AL, ER1DA,UR5FD,ER1OO,ops) 5,798,355 5781 305
W1AW/0 (K2VV,K4MA,K4VX,K9PG,AG9A,W9WI, W9WW,N9JF,W9QA,K9BGL,W0AIH,N0SS,NS0B, N0NX,KK0DX,K0BJ,K0IL,K0CA,ops) 4,905,719 6832 259
GB5HQ (GM3WOJ,GM4FDM,GM4YXI,GM0NAI,ops) 3,467,360 4053 260
OH3X(OH1KAG,OH3HEI,OH3LQK,OH3MEP,OH3MMF, OH3MMH,OH3MYD,OH3RB,OH3RM,OH3WW,ops) 2,904,552 3823 238
OZ7D (OZ1BOH,OZ1FTU,OZ1IVA,OZ1JSH,OZ1KRF, OZ1RH,OZ3W,OZ5ABD,OZ5LH,ops) 2,500,165 3129 235
ES9A (ES5MC,ES5MG,ES5QX,ES5RN,ES5RW,ES5RY, ES4TG,ops) 1,969,605 3142 207
L77E (LU4DXU,op) 1,043,152 1267 176
LU2AH 1,010,244 1300 174
SK0HQ/SK3HQ (SM0HQ,SM0JSM,SM0KCO,SM0TQX, SM3CER,SM3DMP,ops) 908,222 2769 203
EA4URE (EA4BPJ,EA4BT,EA4ECF,EA4ET,EB4EPJ,ops) 711,604 1598 146
TF3IRA (TF3HP,TF3GB,TF3DX,N6HR/TF,ops) 499,849 1493 101
PA0LOU 398,780 750 157
SV1SV 229,174 747 121
8J3JHQ (JA3MAU,JH3ERW,JH3JWR,J3ERI,JJ3WPF, JK3RXY,JK3MHD,JK3NEY,JE2PMC,JG2ONT,ops) 120,963 1203 61
W4RA 87,912 258 99
BV2Y (BV2TA,BV3FG,BV4ME,ops) 74,574 412 54
HC2EE 56,745 191 65
4Z1GY 54,355 334 35
OE1XHQ (OE1JNB,OE1TKW,ops) 41,108 168 86
VU2UR 29,810 144 55
VK3ADW 1,560 24 20
W1RU 1,356 25 12



The smiling faces of the second place W/VE multioperator group at N3BB included (clockwise from back left) N3BB, K5NA, WD5N, N5ZC and AB5EB.

and same band different mode operation.

With help from N6AA, N6TR and N6TW, log checking is much improved this year. Most competitors will find their scores reduced from their submitted claimed scores. The more extensive log-checking was able to identify numerous busted calls and exchanges, and also pinned down many of the dreaded "not in logs." Many thanks to the volunteers who assisted with developing the more sophisticated log checking software. Their efforts have helped level the playing field even more, making the contest more competitive and fair for all participants.

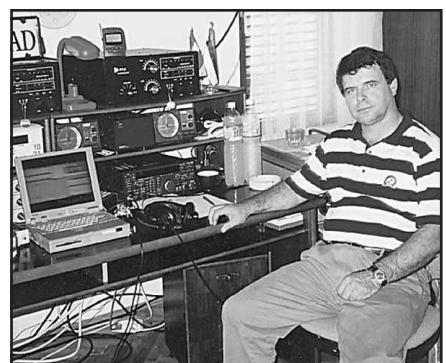
One additional rule change will affect the 1999 IARU HF World Championship, which is scheduled to be contested July 10 – 11. Beginning in 1999, **all logs that are contenders for certificates or Top Ten rankings must be submitted in digital format conforming to ARRL specifications**. E-mail submissions to iaruhf@arrl.org are preferred. Also starting in 1999 any paper entry which was logged on a computer must include a copy of the log files or it will become a check log. Submissions on 3.5-inch floppy disk are also acceptable. You need to include the required summary sheet file and the log files generated by your logging program. Participants outside the US should use air mail for their entries, as many entries postmarked in time actually arrived in December, after a considerable amount of log processing was already completed. Entries must be postmarked or e-mailed no later than 30 days after the end of the contest.

Remember it is the responsibility of the participants to keep up-to-date on rule changes and log requirements. The rules are published in *QST* before the contest as well as at the ARRL Contest Branch homepage on the Web. By visiting <http://www.arrl.org/contests> you can access all of the forms, rules, and log sheets re-

quired for any ARRL contest. Make sure you read the "General Rules for all ARRL Contests" as these contain the specific requirements for log submissions. If you have specific contest rules or inquiries, you can e-mail me at n1nd@arrl.org, or call or write to the phone and address in the front of each issue of *QST*. Good luck and see you in the IARU HF World Championships July 10-11!



JH3PJP putting Zone 45 on the air in the Phone Only category.



YT1AD with this station finished 7th worldwide in the Mixed-Mode category.

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, B = single operator phone only. C = single operator CW only, D = multioperator, single transmitter).

Zone 1	Alaska	AA4Q	13,902	144	42	C	K2HT	20,644	131	52	B	W3 Delaware	NN9N (N7IN,N9PW,ops)	214,652	764	103	D					
KL7Y	648,800	1087	160	A	Eastern Washington	K0DAT	20,597	123	43	B	W3 Delaware	NN9N (N7IN,N9PW,ops)	214,652	764	103	D						
WL7KY	274,284	676	114	C	K0DI7	68,160	299	64	A	K10MB	19,404	109	49	B	Ohio	N9AG (at N8NR)	1,271,160	1583	216	A		
					N7VPN	36,234	178	61	B	K10HQ	13,294	95	34	B	K8UPH	45,811	220	61	A			
Zone 2	Alberta	Idaho	KJ7TH	102,060	269	108	B	KQ3V	518,140	1021	140	B	N8WM	17,776	126	44	A					
XK6JO (VE6JO,op)	405,305	1157	103	A	KW7N	15,134	110	47	B	K7SZ	20,629	111	49	B	N6WLX	521,572	888	166	B			
VE6JJ	210,231	377	141	B	W7II (+KD7AKN,KB7WYI,KC7HHR)	24,898	166	59	D	WA3DMH	7,686	103	18	B	K1BCS	28,969	154	59	B			
VE6IM (VE6LDX,op)	33,813	202	51	B	Montana	K57T	85,277	405	53	A	KB3CLQ	1,760	40	11	B	WB8WG	1,134	23	18	B		
VX6BF (VE6BF,op)	220,932	622	102	C	K7ABV	39,572	189	52	A	AA3B	1,060,514	1476	182	C	KCBHWV	1,392	29	12	B			
K3DI/VE6	12,209	201	29	C	Nebraska	KA0ATKU	63,826	152	97	B	W3BGN	112,700	287	100	C	N8BJQ	428,226	825	149	C		
British Columbia	KX7SZ (VE7NTT,op)	KU7Y	8,760	78	30	C	W0UVC	40,810	126	77	B	K3WW	53,108	327	44	C	WA8TNO	104,716	268	94	C	
XK7SZ (VE7NTT,op)	1,329,482	2061	178	A	Nevada	WD0BMR	57,168	264	72	B	KB2VVB	23,712	167	57	C	WT8P	90,288	402	72	C		
VE7AJG	302,100	748	114	A	Utah	W7HS	69,536	214	82	C	W4NTI	24,345	149	45	C	WA8UP	17,600	89	55	C		
VE7XO	27,300	152	50	B	Western Washington	W7ON	101,352	383	82	A	Maryland-DC	W3LPL (KE3Q,op)	1,826,140	2194	205	A	K8AZ (+K8NZ,K8YK,N8TR,W8GN, W8KIC,WT8C)	1,420,212	1635	228	D	
Zone 3	Manitoba	KC7SSN	7,801	145	29	A	KQ2M	1,711,300	2008	218	A	Ohio	N8II	720,720	1141	154	A					
VX4UY	148,895	454	97	A	W1NMH	5,016	67	19	A	K3ZD	1,766,336	2005	208	A	W8PT	142,375	272	125	A			
XK4VV (VE4VV,op)	116,362	516	73	C	WB8IMY	30,000	147	60	B	W3CP	90,816	286	96	C	KB3AUG	80,262	201	91	B			
Saskatchewan	KC7MIQ	10,725	100	33	B	W3F	28,444	171	52	B	K3J	517,590	997	135	C	K3JT	517,590	997	135	C		
VE5SF	37,926	294	43	A	W1XF	27,195	166	49	B	WA8WV	487,440	923	144	C	WA8WV	487,440	923	144	C			
VE5CMCA	90,504	386	72	B	KB1H (K1EBY,op)	786,600	1480	138	C	Western Pennsylvania	W3GH (KB3AFT,op)	1,001,472	1658	163	A	West Virginia	N8II	720,720	1141	154	A	
N7LOX	39,000	201	60	C	W1QK	347,576	1033	92	C	K3O	66,215	227	85	A	W8PT	142,375	272	125	A			
KK7GW (+KC7DZZ)	35,100	229	45	C	W4NR	122,112	302	96	C	K3W	40,256	235	64	C	KB3AUG	80,262	201	91	B			
Zone 4	Quebec	W7VS	87,472	230	122	C	N1MT	2,358	71	18	C	K3WW	31,217	221	53	C	K3WW	31,217	221	53	C	
VE2AWR	208,740	514	105	A	K1W1K	9,695	107	35	C	WA3SES	21,892	140	52	C	W4NTI	24,345	149	45	C			
VE2FF	28,424	224	38	C	N1TB (N1KV)	562,086	1371	126	A	K3UA	16,213	122	31	C	Illinois	N8II	720,720	1141	154	A		
VE2ABO	2,688	56	14	C	W1TE	389,850	705	150	A	W9LY	53,742	257	78	A	W9YXA	16,422	159	46	A			
Ontario	XJ3EJ (VE3EJ,op)	W7VS	67,032	429	56	D	N1HOQ	310,100	646	140	A	WB9Z	1,069,328	1512	194	B	WB9Z	1,069,328	1512	194	B	
VE3EJ	2,137,960	2337	220	A	WA1NPZ	154,880	336	128	B	W9LYN	11,938	90	47	B	W9LYN	11,938	90	47	B			
VE3WZ	38,805	181	65	A	K1P1LX	141,022	393	98	B	K9HHL	5,760	180	32	B	K9HHL	5,760	180	32	B			
VE3WIB	200,330	500	115	B	W1SD	24,274	109	53	C	K9MMMS	308,992	742	136	C	K9MMMS	308,992	742	136	C			
VE3STT	114,816	283	92	B	W1VUT	411,488	986	112	C	N9CO	258,439	726	109	C	N9CO	258,439	726	109	C			
VE3KP	390,558	858	119	C	W1W	142,843	415	83	B	K9QVB	127,903	502	83	C	K9QVB	127,903	502	83	C			
VE3IAY	236,208	531	114	C	W1X	88,924	270	86	C	K9GY	87,980	362	83	C	K9GY	87,980	362	83	C			
VE3OSZ	152,375	365	115	C	W1Y	9,879	79	37	C	K9UQN	57,132	272	69	C	K9UQN	57,132	272	69	C			
VA3JR	36,941	209	53	C	W1Z	454,152	777	149	D	K9EX	1,674	27	18	C	K9EX	1,674	27	18	C			
VE3EL	14,685	113	33	C	W1ZT (+K1E0)	843,016	1291	167	D	KB9IUA	297	27	9	C	KB9IUA	297	27	9	C			
VE3CWE	11,253	93	33	C	W1NU (+NET)	121,308	407	84	D	W4 Alabama	AA3LX	66,215	227	85	A	Indiana	W9U	148,895	500	97	A	
VA3NR (+NET)	93,718	295	94	D	W1FM (+N1SOH,N1UEO)	233,049	522	131	D	W4CP	60,890	286	108	A	W9U	148,895	500	97	A			
Zone 6	W6 East Bay	Arkansas	AB5SE	82,140	323	74	A	W1FM (+N1SOH,W1K)	74,232	265	72	D	W4LC	61,292	202	77	B	W9C	108,780	274	105	B
K6WG	326,586	912	106	A	W1K	187,658	773	101	D	W4WW	32,308	198	41	B	W9IC	92,1225	1457	173	C			
W6QK	65,348	314	68	A	W1LIC	46,254	187	78	C	W4EP	68,682	316	77	C	W9JC	21,266	138	49	C			
KF6BR	9,576	98	36	B	W1M	116,220	329	111	C	W1V	62,860	318	70	A	Wisconsin	N9POU	83,600	340	76	A		
K6JOX	5,292	162	14	B	W1W	120,345	329	112	C	W1X	28,600	162	55	B	W9NX	356,700	763	145	C			
Los Angeles	N6ED	822,950	1566	151	A	W1Y	126,350	329	112	C	W1Y	23,345	267	35	A	N9CIQ	34,752	166	64	C		
KU6T	143,444	436	94	A	W1Z	128,526	329	112	C	W1Z	5,250	61	30	B	Zone 9	Maritime	VE1JX (K6HNZ,op)	659,664	1101	144	B	
W6FA	24,462	115	54	A	W1ZT	128,526	329	112	C	W1Z	645,507	1126	153	B	W1Z	659,664	1101	144	B			
KQ6QW	42,120	212	60	B	W1ZT	128,526	329	112	C	W1Z	120,773	360	89	B	North Carolina	N9X	12,035	317	97	B		
N6AA	190,032	473	107	C	W1ZT	128,526	329	112	C	W1Z	396,060	888	123	C	W1Z	396,060	888	123	C			
KQ6ES	171,083	524	103	C	W1ZT	128,526	329	112	C	W1Z	115,139	360	97	C	Georgia	K4BAI	471,900	1021	130	A		
WA7BNM	111,136	392	92	C	W1ZT	128,526	329	112	C	W1Z	124,200	329	112	C	K4BAI	471,900	1021	130	A			
N6GL	60,116	242	78	C	W1ZT	128,526	329	112	C	W1Z	124,200	329	112	C	K4BAI	471,900	1021	130	A			
N6IP	46,833	205	67	C	W1ZT	128,526	329	112	C	W1Z	124,200	329	112	C	K4BAI	471,900	1021	130	A			
Orange	W6ZL	488	17	8	A	W1ZT	128,526	329	112	C	W1Z	124,200	329	112	C	K4BAI	471,900	1021	130	A		
K6MCP	2,600	36	26	B	W1ZT	128,526	329	112	C	W1Z	124,200	329	112	C	K4BAI	471,900	1021	130	A			
W1HJ (at WK6C)	163,251	648	97	C	W1ZT	128,526	329	112	C	W1Z	124,200	329	112	C	K4BAI	471,900	1021	130	A			
KG6OK (+KB6FYG,KF6HVO)	467,852	1076	124	D	W1ZT	128,526	329	112	C	W1Z	124,200	329	112	C	K4BAI	471,900	1021	130	A			
N6RT (+NET)	385,836	650	148	D	W1ZT	128,526	329	112	C	W1Z	124,200	329	112	C	K4BAI	471,900	1021	130	A			
W1VHJ	307,992	946	123	D	W1ZT	128,526	329	112	C	W1Z	124,200	329	112	C	K4BAI	471,900	1021	130	A			
AC6T	246,240	600	114	C	W1ZT	128,526	329	112	C	W1Z	124,200	329	112	C	K4BAI	471,900	1021	130	A			
WA6FGV	65,640	356	60	C	W1ZT	128,526	329	112	C	W1Z	124,200	329	112	C	K4BAI	471,900	1021	130	A			
W6BKY	34,925	195	45	A	W1ZT	128,526	329	112	C	W1Z	124,200	329	112	C	K4BAI	471,900	1021	130	A			
W7TCB	26,268	139	34	C	W1ZT	128,526	329	112	C	W1Z	124,200	329	112	C	K4BAI	471,900	1021	130	A			
Santa Clara Valley	K6XX	570,630	1069	138	A	W1ZT	128,526	329	112	C	W1Z	124,200	329	112	C	K4BAI	471,900	1021	130	A		
N6NF	220,080	634	105	A	W1ZT	128,526	329	112	C	W1Z	124,200	329	112	C	K4BAI	471,900	1021	130	A			
K6GT	130,378	401	94	A</																		

Uruguay	CX3DA1	29,720	150	40	B	UA9KMK	80,640	274	70	A	DF6LO	66,220	269	77	A	Switzerland	OM4DN	205,015	523	131	C
						UA9XMC	1,106,272	1368	181	B	JD6DO	60,818	245	94	A	HB9/NK6F	200,739	657	121	C	
Argentina	LU7HN	231,334	541	94	A	RK9CWG (RV9CBT,RA9CGK, UA9-154-894,ops)	57,054	275	74	A	DL0MFL	57,054	275	74	A	OM1AF	130,272	443	96	C	
	LW1DX	56,850	305	50	A	191,610	555	90	D	JD4OCL	56,214	256	81	A	S99ARF	57,942	418	112	C		
	LU9HO	412,960	759	116	B	Zone 21 Asiatic Russia	50,405	173	85	A	DL1JPL	50,405	173	85	A	HB9/CVO	63,827	225	83	C	
	AY5E (LU5EWO,op)	106,978	260	89	B	RAS9A	157,430	393	91	B	DL2AY1	49,812	212	84	A	HB9/YAZ	7,733	85	37	C	
	LU4FM	104,877	523	43	B	UA9BGZ	50,440	198	65	B	DL1JAR	42,918	213	69	A	HB9/QA	610	17	10	C	
	LU2FT	52,355	663	37	B	RJ9J (RA9JR,op)	831,252	1326	159	C	DL4VA	32,269	149	61	A	OM3KXR (OM3YDP,OM8DD,ops)	93,755	345	85	D	
	LU4FCZ	40,358	283	34	B	RK9JWV (+ops)	450,120	983	110	D	DL4VA	15,190	128	61	A						
	LU9HOA	31,650	231	30	B	DL2ASK	224,14	126	7	A	DL1JWA	13,630	103	47	A	HB0/DL1SB/P	62,532	276	81	C	
	LW1EGD	11,220	136	17	B	DL5AUJ	12,24	12	6	A	DL2ASX	15,110	276	95	A	HB0/DL2IRM	168	8	7	C	
	LT1F	2,528,524	2644	212	C	DL8PC	580,085	815	199	B	DL5BX	139,860	412	111	A	HB0/PI4TUE (PA3EZL,PA3GFE, PA3HCW,PE1PRG,ops)	343,212	688	148	D	
	L36E (LU7EE,op)	496,248	772	138	C	DF1ZN	111,760	288	115	A	DL5CJ	111,760	288	115	A						
	LU1FNH	10,620	596	94	C	DK4ARL	72,010	276	95	A	DL8SDC	65,325	249	75	A	Liechtenstein					
	LU1EWL	179,418	395	102	C	DL1NBE	51,243	185	85	A	DL5CJ	12,24	12	6	A	HB0/PI4TH,op)					
	LU1FAM	20,130	289	22	C	DL8NE	48,452	178	93	A	DL5CJ	12,24	12	6	A						
	LU6 (LU2NL,LU9YA,LU8NA,LU1NDC, LU4NAZ,LU4NAS,ops)	1,578,766	1853	209	D	DL4VRS	27,470	129	67	A	DL5CJ	12,24	12	6	A	Italy					
	LT5Y (LU1YU,LU2YAX,LU7YAR, LU7YAP,LU8YAP,ops)	353,184	777	96	D	DL2J3O	27,430	152	65	A	DL5CJ	12,24	12	6	A	IQ7A	733,210	1198	190	A	
	Paraguay	ZP0Z	354,222	974	99	B	DL5FCV	12,898	89	53	A	DL5CJ	12,24	12	6	A	HB0/4TUE (PA3EZL,PA3GFE, PA3HCW,PE1PRG,ops)				
	Zone 15 Brazil	FY2NY	213,210	508	90	A	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A					
	PK1HDR	73,568	352	44	A	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	PY2ARF	67,896	224	69	B	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	PY2MNL	63,080	350	38	B	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	PY2RAF	56,160	213	65	B	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	PT2ADM	18,392	130	44	B	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	PY2DU	13,684	79	44	B	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	PY2MHZ (PU3AGP,PY3AFS,PY3BZA, PY3FOX,PY3MRZ,ops)	3,960	44	22	B	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	TM9C (F5IN,op)	7,134	90	29	C	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	TM6CMC (F6GIN,op)	27,965	162	47	D	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	Zone 16 Argentina	LV4V	636,984	962	162	B	France	236,500	642	110	A	DL5CJ	12,24	12	6	A					
	LU1VZ (LU1VK,LU4VIEW,ops)	315,084	553	132	D	FBC5NBX	30,024	168	54	A	DL5CJ	12,24	12	6	A						
	LU2ZJA	39,347	150	77	B	FBC5OZF	14,053	81	47	A	DL5CJ	12,24	12	6	A						
	LA2ZJA	23,210	136	55	B	FBC5L	555,304	940	164	B	DL5CJ	12,24	12	6	A						
	LA7ATN	11,445	113	35	B	FBC5M	1,021,024	284	88	A	DL5CJ	12,24	12	6	A						
	LA5YV	1,602	27	18	B	FBC5N	101,024	284	88	A	DL5CJ	12,24	12	6	A						
	LA1VKA	256	8	8	B	FBC5PQ/P (F6ETI,F5PHW,ops)	1,071,158	1550	181	D	DL5CJ	12,24	12	6	A						
	Zone 18 Norway	LA7CI	88,880	298	88	B	TM9M (F5FLN,F4ARU,ops)	512,127	1287	99	D	DL5CJ	12,24	12	6	A					
	LA8ZJA	39,347	150	77	B	TM2OO (F5PFT,F5PAC,F5UII, FSNY,ops)	136,188	377	108	D	DL5CJ	12,24	12	6	A						
	LA7FX	23,210	136	55	B	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	LA7TN	11,445	113	35	B	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	LA5YV	1,602	27	18	B	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	LA1VKA	256	8	8	B	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	Aland Islands	OH0NA	12,597	103	51	B	G6QO	22,194	131	54	A	DL5CJ	12,24	12	6	A					
	OH0HD	12,597	103	51	B	G3VAO	284,992	560	146	B	DL5CJ	12,24	12	6	A						
	OH0MD	37,221	228	48	B	(G4JVG,op)	243,000	515	120	B	DL5CJ	12,24	12	6	A						
	(OH1MA,OH1RY,BH0ZBH,OH1TA,ops)	1,383,810	2149	193	D	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	OH0AA (OH0JUS,OH0LHL,ops)	1,022,604	1675	183	D	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	Finland	OH6NIO	843,647	1228	191	A	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A					
	OH8MCT	760,725	1427	161	A	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	OH6RC	13,440	80	42	A	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	OH1UP	12,926	89	46	A	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	OH7NLL	1,135,705	1587	187	B	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	OH7NLT	1,103,216	1576	187	B	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	OH5ELF	95,348	1594	184	B	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	OH5PAA	9,016	1771	46	B	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	OH1NOR	1,380,496	1771	208	D	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	OH9DX	969,606	1521	198	B	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	OH2A0	966,933	1439	193	B	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	OH8BOT	35,700	220	10	A	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	OH2NFS	119,900	229	11	C	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	DL5CJ	1,214,494	1939	178	D	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	OH4AB (OH4YR,OH4KBC,OH4JFN,ops)	1,042,918	1644	197	D	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	DL5CJ	815,142	1138	206	A	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	Sweden	SM0DIZV	144,072	386	116	B	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A					
	SM07RZF	128,915	321	115	B	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	SM02CEW	66,108	502	42	B	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	SM01SP	9,948	110	26	B	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	SM6AHU	9,478	55	16	C	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	SM6IM0	42,008	912	118	C	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	SM6BSK	241,794	521	133	C	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	SM0BDS	127,925	323	119	C	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	SK6HD (SM6FKF,op)	5,304	65	24	B	DL5CJ	12,24	12	6	A	DL5CJ	12,24	12	6	A						
	DL5CJ	21,428	174	44	C	DL5CJ	12,24	12	6	A	DL5CJ										

Macedonia	ST3GX	147,828	507	97	B	UU2JZ	44,322	184	83	A	Zone 34	Asiatic Russia	JH7XGN	606,208	962	148	A	Zone 47	Central Africa			
Zone 29	Armenia	YU5ZZ	14,313	111	39	A	UO0FDX	281,466	661	114	A	JF1SQC	586,000	1043	125	C	TL5A(PA3DZN.op)	1,369,815 2196 141 A				
EK6CC	559,435	1089	127	B	UR4EWT (UR6EX.op)	UT7DD	1,418,178	1652	214	B	JA0FU	110,088	317	88	B	JF4GPA	357,552	788	104	A		
Moldova	ER1IM	139,650	391	98	B	UT5DD	94,608	394	73	B	RU0LL	156,950	541	86	C	JA1ZLO	329,238	666	117	A		
ER1OA	226,920	518	122	C	UT7UL	53,394	255	66	B	JA6UBK	328,596	580	130	A	JH50XF	95,186	281	91	A			
Estonia	ES2RR	153,573	525	103	A	UT6EE	16,676	115	44	B	QO6NAN	172,782	432	87	B	JG06NAN	74,976	262	71	A	Zone 48	Uganda
ES1OD	127,880	300	139	A	UR7M	13,175	521	85	B	JA1BUU	65,919	216	73	A	JR9NVB	101,728	344	68	A	5X1T (ON6TT.op)	1,287,306 3083 180 B	
ES1RA	16,560	97	80	A	UT4UZ	1,323,600	1689	240	C	JH2AMH	61,952	229	44	A	JH50XF	95,186	281	91	A			
ES1CH	15,540	132	42	B	UY8IF	597,370	1122	155	C	JA7YFB	51,100	270	50	A	JG06NAN	74,976	262	71	A			
ES4LBO	5,538	72	39	B	UR5U (UR5UW.op)	JA8ABF	13,200	118	24	C	JA6BF	44,265	188	65	A	JA2FSM	36,844	150	61	A		
ES1XT	114,948	344	103	C	UY1HY	568,398	1017	183	C	JA1AB	37,644	210	122	A	JG06NAN	74,976	262	71	A			
Belarus	EW5R (EU1FC.op)	UT5UN	323,175	704	139	C	JA3ALV	1,895,517	2461	221	A	JH2AMH	61,952	229	44	A						
EW6TU	302,932	902	124	A	UT3QW	227,172	495	132	C	EC5AEB	151,018	901	49	A	JA7YFB	51,100	270	50	A			
EU1MM	1,122,525	1511	225	C	UY5TE	157,248	468	112	C	JA1FBU	102,030	450	57	A	JA1MMS	9,576	89	28	A	Zone 49	Thailand	
EU1DX	492,128	796	169	C	UT8IT	141,232	410	112	C	JA1MK	69,722	305	71	A	JR1LEV	8,154	66	27	A	HS0AC (HS1CKC,HS0GBI,E21EIC.ops)	127,281 512 87 D	
EU6DX	123,370	334	130	C	UY5WA	123,200	400	110	C	JA4AHD	21,514	245	31	A	JG06NAN	74,976	262	71	A			
EU6AA	53,134	309	62	C	UR5WII	103,617	444	87	C	EC7ADS	7,125	87	25	A	JA3WQF	36,844	150	61	A			
EW1ABA	21,232	259	82	C	US3IMZ	69,955	235	85	C	JA1EBS	164,630	466	101	A	JA2FSM	31,200	122	65	A			
EW5W (EW8DX,EW8MM,EW8OB,EW8OS,EU8DX,EU8RZ.op)	2,495,080	3283	280	D	UY5BCJ	59,150	238	91	C	JA1BLX	95,052	320	89	B	JG06NAN	74,976	262	71	A			
Lithuania	LY2VAD (LY1DS.op)	UT5UJ	48,555	254	65	C	JA1ALO	70,224	254	77	B	JG06NAN	74,976	262	71	A						
UY2JA	46,944	159	96	C	UY1W	12,936	104	28	C	ED5JOE (EA5EI,op)	60,261	333	53	B	JA7BJS	108,324	436	54	B			
LY1DR	7,975	74	25	A	UY5VK	3,654	57	14	C	JA5EO	29,367	189	39	B	JH1UUT	55,580	213	70	A			
LY3BH	880,230	1205	195	B	UY4QMH	2,070	36	30	C	JH2QOX	26,828	99	76	A	JG06NAN	74,976	262	71	A			
LY2AE	65,416	265	74	B	UY5UJ (+UR5MAF,UY1UA,UY2JJ,UY3UJ,UY4JU,UY0UJX)	1,495,900	2145	237	D	JA7BIV	44,070	300	39	B	JG06NAN	74,976	262	71	A			
LY3BA	45,018	383	41	B	UY2JJ,UY3UJ,UY5UJ,UY8JU,UY0UJX)	1,495,900	2145	237	D	JA1CJH	25,477	123	73	B	JG06NAN	74,976	262	71	A			
LY3BY	12,060	107	36	B	UY1W	63,630	201	105	C	JA1BLJ	18,262	136	46	B	JG06NAN	74,976	262	71	A			
LY2BTA	1,001,948	1460	214	C	UX3M (UR3MC,UR3MP,UR7MF,UR5MAW,UR5MLN,UR5MTA,UR5MTJ,ops)	188,898	548	114	D	JA1AUT	19,056	101	26	C	JG06NAN	74,976	262	71	A			
LY4AA	961,515	1415	207	C	UX3M (UR3MC,UR3MP,UR7MF,UR5MAW,UR5MLN,UR5MTA,UR5MTJ,ops)	188,898	548	114	D	JA2SN	6,864	76	29	B	JG06NAN	74,976	262	71	A			
LY2BM	789,370	1330	193	C	UY1W	12,936	104	28	C	JA3AVM/5	4,611	55	29	B	JG06NAN	74,976	262	71	A			
LY6M (LY1DS.op)	139,900	767	152	C	UY1W	12,936	104	28	C	JA1KAL	3,014	37	22	B	JG06NAN	74,976	262	71	A			
European Russia	UA3RAR	1,615,866	1784	237	A	UY1W	12,936	104	28	C	JA1AW	2,394	27	18	B	JG06NAN	74,976	262	71	A		
UA3AU	1,549,368	1508	242	A	UY1W	12,936	104	28	C	JA1EBS	2,394	27	18	B	JG06NAN	74,976	262	71	A			
RX3DCX	670,440	1187	185	A	UY1W	12,936	104	28	C	JA1EBS	2,394	27	18	B	JG06NAN	74,976	262	71	A			
UX1UA	634,600	1012	190	A	UY1W	12,936	104	28	C	JA1EBS	2,394	27	18	B	JG06NAN	74,976	262	71	A			
UE6MMA (RA6LW,op)	594,972	1186	189	A	UY1W	12,936	104	28	C	JA1EBS	2,394	27	18	B	JG06NAN	74,976	262	71	A			
RZ6LG	323,628	582	181	A	UY1W	12,936	104	28	C	JA1EBS	2,394	27	18	B	JG06NAN	74,976	262	71	A			
RV6LFE	323,589	755	133	A	UY1W	12,936	104	28	C	JA1EBS	2,394	27	18	B	JG06NAN	74,976	262	71	A			
RA1Z2Z	315,904	830	128	A	UY1W	12,936	104	28	C	JA1EBS	2,394	27	18	B	JG06NAN	74,976	262	71	A			
RA3BK	91,134	505	61	A	UY1W	12,936	104	28	C	JA1EBS	2,394	27	18	B	JG06NAN	74,976	262	71	A			
UA4AO	51,051	561	91	A	UY1W	12,936	104	28	C	JA1EBS	2,394	27	18	B	JG06NAN	74,976	262	71	A			
RW3ZA	48,620	322	44	A	UY1W	12,936	104	28	C	JA1EBS	2,394	27	18	B	JG06NAN	74,976	262	71	A			
UA1ANA	31,707	269	39	A	UY1W	12,936	104	28	C	JA1EBS	2,394	27	18	B	JG06NAN	74,976	262	71	A			
UA3XB	26,730	144	55	A	UY1W	12,936	104	28	C	JA1EBS	2,394	27	18	B	JG06NAN	74,976	262	71	A			
RA02DA/6	29,224	222	52	A	RAK4WW (UA4WA,RAWQA,UA4WAN,ops)	UY5BCJ	5,705	147	C	JA1EBS	2,394	27	18	B	JG06NAN	74,976	262	71	A			
RU3HD	409,945	775	163	A	RAK4WW (UA4WA,RAWQA,UA4WAN,ops)	UY5BCJ	5,705	147	C	JA1EBS	2,394	27	18	B	JG06NAN	74,976	262	71	A			
UA1OMS	72,540	252	90	B	RAK4WW (UA4WA,RAWQA,UA4WAN,ops)	UY5BCJ	5,705	147	C	JA1EBS	2,394	27	18	B	JG06NAN	74,976	262	71	A			
RU3WTS	62,589	228	93	B	RAK4WW (UA4WA,RAWQA,UA4WAN,ops)	UY5BCJ	5,705	147	C	JA1EBS	2,394	27	18	B	JG06NAN	74,976	262	71	A			
RY3LZ	47,736	204	64	B	RAK4WW (UA4WA,RAWQA,UA4WAN,ops)	UY5BCJ	5,705	147	C	JA1EBS	2,394	27	18	B	JG06NAN	74,976	262	71	A			
UA4HAK	29,235	169	63	B	RAK4WW (UA4WA,RAWQA,UA4WAN,ops)	UY5BCJ	5,705	147	C	JA1EBS	2,394	27	18	B	JG06NAN	74,976	262	71	A			
UA4ASE	18,044	104	34	B	RAK4WW (UA4WA,RAWQA,UA4WAN,ops)	UY5BCJ	5,705	147	C	JA1EBS	2,394	27	18	B	JG06NAN	74,976	262	71	A			
UA4ALP	14,487	157	33	B	RAK4WW (UA4WA,RAWQA,UA4WAN,ops)	UY5BCJ	5,705	147	C	JA1EBS	2,394	27	18	B	JG06NAN	74,976	262	71	A			
RA4AVN	167,140	438	122	C	RAK4WW (UA4WA,RAWQA,UA4WAN,ops)	UY5BCJ	5,705	147	C	JA1EBS	2,394	27	18	B	JG06NAN	74,976	262	71	A			
RA3AQN	130,383	407	99	C	RAK4WW (UA4WA,RAWQA,UA4WAN,ops)	UY5BCJ	5,705	147	C	JA1EBS	2,394	27	18	B	JG06NAN	74,976	262	71	A			
RA3APL	91,549	348	83	C	RAK4WW (UA4WA,RAWQA,UA4WAN,ops)	UY5BCJ	5,705	147	C	JA1EBS	2,394	27	18	B	JG06NAN	74,976	262	71	A			
RA4FWF	83,664	322	84	C	RAK4WW (UA4WA,RAWQA,UA4WAN,ops)	UY5BCJ	5,705	147	C	JA1EBS	2,394	27	18	B	JG06NAN	74,976	262	71	A			
RA4FW	70,125	393	55	C	RAK4WW (UA4WA,RAWQA,UA4WAN,ops)	UY5BCJ	5,705	147	C	JA1EBS	2,394	27	18	B	JG06NAN	74,976	262	71	A			
RA3XO	69,615	207	105	C	RAK4WW (UA4WA,RAWQA,UA4WAN,ops)	UY5BCJ	5,705	147	C	JA1EBS	2,394	27	18	B	JG06NAN	74,976	262	71	A			
RA4AHT	57,035	295	55	C	RAK4WW (UA4WA,RAWQA,UA4WAN,ops)	UY5BCJ	5,705	147	C	JA1EBS	2,394	27	18	B	JG06NAN	74,976	262	71	A			
RA6AVP	19,344	134	52	C	RAK4WW (UA4WA,RAWQA,UA4WAN,ops)	UY5BCJ	5,705	147	C	JA1EBS	2,394	27	18	B	JG06NAN	74,976	262	71	A			
RA3WVM	16,095	113	37	C	RAK4WW (UA4WA,RAWQA,UA4WAN,ops)	UY5BCJ	5,705	147	C	JA1EBS	2,394	27	18	B	JG06NAN	74,976	262	71	A			
RA6ATG	9,636	84	33	C	RAK4WW (UA4WA,RAWQA,UA4WAN,ops)	UY5BCJ	5,705	147	C	JA1EBS	2,394	27	18	B	JG06NAN	74,976	262	71	A			
RK3AWL (+UA3DV,UA3QDX,RK3AWL,RA3QFB,RA3QFV,RA3ATX,RA3KAD,RA3VB,A)	2,184,744	2839	258	D	RAK4WW (UA4WA,RAWQA,UA4WAN,ops)	UY5BCJ	5,705	147	C	JA1EBS	2,394	27	18	B	JG06NAN	74,976	262	71	A			
RZ6HWA (RA6FW,RAW6HA,RZ6FW,ops)	1,406,916	1553	252	D	RAK4WW (UA4WA,RAWQA,UA4WAN,ops)	UY5BCJ	5,705	147	C	JA1EBS	2,394	27	18	B	JG06NAN	74,976	262	71	A			
RK3AWX (RA35-367,UA3SEC,RA35-797,RA35-952,ops)	2,184,744	2839	258	D	RAK4WW (UA4WA,RAWQA,UA4WAN,ops)	UY5BCJ	5,705	147	C	JA1EBS	2,394	27	18	B	JG06NAN	74,976	262	71	A			
RK3AWX (RA1QGO,RA1QFX,op)	105,768	352	104	D	RAK4WW (UA4WA,RAWQA,UA4WAN,ops)	UY5BCJ	5,705	147	C	JA1EBS	2,394	27	18	B	JG06NAN	74,976	262					