

2001 IARU HF World Championship Results

Back in 1900, no one (other than possibly an H. G. Wells) could have fathomed how the world would communicate by the end of the century. An average person transported with Wells' time machine would probably not have believed the evolution, perhaps better called revolution, of how we communicate. The tethers we know as the telephone and telegraph were still relatively new in those days. Imagine the way they would marvel at the wireless age — from broadcast forms to two-way personal communication. The tethers of wire have given way to an ever-expanding wireless age.

Even the fathers of one form of wireless communication —known as radio — with their great vision and imagination would stand amazed at the ease of global communications today.

Perhaps the 2001 IARU HF World Championships, held July 14-15, were an adequate celebration of our innovation and spirit of adventure, as 2105 logs were received from today's generation of telecommunications pioneers. These logs represented a total of over 1,150,000 contacts made in the brief 24-hour period, by over 3000 reported participants. This represents the largest participation ever in this event. Logs were received from a total of 51 IARU zones worldwide, as well as from 105 entities from the ARRL DXCC listings. Not bad for a contest held in the middle of summer for most participants.

In many years, the overall world champions seem to come from around the globe, but rarely from the US. In 2001, two of the four overall category champions hail from the US and Zone 8, while the other two hail from Zone 39 (Cyprus and Israel). In all, Top Ten finishes globally were posted from an even dozen IARU zones — including zones 4, 7, 8, 11, 15, 18, 27, 28, 29, 30, 38 and 39. And while no new worldwide scoring records

were set, good contests were seen in each category.

The winner of the worldwide Single Operator CW Only category was Randy, K5ZD. Operating from his shack in western Massachusetts, Randy's score of 2.37M beat out a strong challenge from Laszlo, HGØD, who posted a 2.1M point score. Third place in the category went to Tom, K1KI, who edged out Jaroslav, SU9ZZ, by less than 10k points. Randy's score established a new record for W/VE stations.

Top honors in the Single Operator Mixed Mode category were garnered by Bob, KQ2M, whose score of 2,810,088 was good enough to set a new W/VE category record, though missing out on the worldwide record. Stefan, DL1AO, finished in second place while John, VE3EJ, and Igor, UA2FZ, filled out the category leaders.

The worldwide Single Operator Phone Only category winner was Serge, 4X1IM, who easily held off the challenge of Jacobo, P40B, who operated as P40B, by just over 800 kilopoints. Saulius, LY4AA, finished in third place in the category while Tine, S50A, came in a close fourth. The top W/VE entrant in the category worldwide was George, K5TR, who finished in tenth place with 1.34M.

The worldwide Multioperator category was won once again by the operators at P3A, operating from Cyprus. Their score of 5,411,304 easily outdistanced a pair of Hungarian stations—HG6N and HG1S. Finishing fourth in 2001 were the operators at LY7Z. The Top W/VE score was posted by KH6ND, who set a W/VE category record while operating from KH7R, with a score of 2,113,350. K2UA, with WRTC 2002 teammate N5RZ, pulled in second from New York.

You always find an extremely strong competition in this contest among the various IARU Headquarters stations. The HQ stations count as a special multiplier

Top Ten World Scores		Top W/VE Scores	
Mixed Mode		Mixed Mode	
KQ2M	2,810,088	KQ2M	2,810,088
DL1AO	2,480,775	VE3EJ	2,293,668
(@DLØWW)		K3ZO	1,786,756
VE3EJ	2,293,668	K4ZW	1,683,000
UA2FZ	2,210,085	K3WW	1,647,945
(@RK2FWA)		N3BB	1,261,568
YU7BW	2,091,520	NØAV	1,234,992
WP2Z	1,986,198	N4AO	1,214,052
(AG8L, op)		(WC4E, op)	
MØSDX	1,963,668	K6LA	869,440
YT1AD	1,891,450	K1VUT	865,449
(Z32ZM, op)			
LY9A	1,880,858		
OK2FD	1,877,040		
Phone Only		Phone Only	
4X1IM	3,117,435	K5TR	1,340,352
P40B	2,297,490	WB9Z	1,241,175
(P43P, op)		W7WA	1,224,828
LY4AA	1,976,538	VE1JX	1,068,794
(@LY7A)		N3HBX	626,750
S50A	1,899,412	WS1A	617,686
RM4W	1,816,430	N4UH	583,478
(RW4WR, op)		WØETC	577,116
PY2KC	1,813,385	N9PQU	485,982
UT7E	1,496,713	WA4TII	477,567
RX3DCX	1,484,126	CW Only	
UA2FB	1,341,482	K5ZD	2,367,741
K5TR	1,340,352	K1KI	2,032,668
CW Only		N4AF	1,728,250
K5ZD	2,367,741	(W4PA, op)	
HGØD	2,088,528	WXØB	1,713,980
K1KI	2,032,668	VA3UZ	1,649,784
SU9ZZ	2,023,584	(@VE3OI)	
F6BEE	1,892,484	KR1G	1,521,728
UA9CDV	1,809,159	W1WEF	1,375,136
OHØPM	1,766,656	W6EEN	1,298,276
N4AF	1,728,250	(N6RT, op)	
WXØB	1,713,980	K9NW	1,289,972
(W4PA, op)		(@K9UWA)	
UT5UGR	1,657,611	VA3RU	1,269,200
Multioperator		Multioperator	
P3A	5,411,304	KH6ND	2,113,350
HG6N	3,582,917	(@KH7R)	
HG1S	3,124,576	K2UA	1,941,100
LY7Z	2,989,980	W4AN	1,780,038
ZW5B	2,878,896	K8AZ	1,704,480
H2G	2,822,889	W4R	1,374,468
RT9W	2,776,670	(@N4PN)	
OH1F	2,710,920	N3AD	1,142,102
RK9CWW	2,512,692	AA5NT	1,128,825
IR2W	2,460,776	K5NA	1,124,299
		W8AV	1,087,728
		KB1H	1,076,010

IARU Regional Executive and Administrative Council Members

K1ZZ	2246	220	1,741,520
W6ROD (@W6YX)			
(+N6DE, W6LD, K6ST, N7MH, W7SW, N6EM, KEG2ZZS)	1580	176	926,992
PAØLOU	642	141	279,744
PT2HF	248	88	81,928
9V1UV	116	66	26,136
VK3ADW	92	51	18,258
SP5FM	63	24	3,864

IARU Headquarters Stations

R3HQ (RA1ACJ, RA1AR, RA1ARJ, RA4LW, RA6AX, RA6CM, RA6CO, RN1AM, RN3QO, RN4LP, RN6BN, RU1AA, RU3OM, RU6LA, RV1AW, RW1AC, RW3QC, RX1AA, UA1AKC, UA1ANA, UA1ARX, UA3QDX, UA4LCQ, UA6LV, ops)	20,559,840	16240	406
DA0HQ (DE1DDH, DF8XC, DG1BDF, DH7WW, DJ7AA, DK1BT, DK3WW, DK4WA, DK7YY, DK8YY, DL1AOB, DL1ASA, DL1AUZ, DL1AWD, DL1AWI, DL1AXI, DL1DTL, DL1VDL, DL2ARD, DL2OAP, DL2OBF, DL2OE, DL2SAX, DL3ABL, DL3ALI, DL2AMC, DL3APO, DL3DXX, DL3TD, DL4ALB, DL4ALI, DL4MM, DL5ANT, DL5AOJ, DL5AOL, DL5AWI, DL5AXX, DL5LYM, DL5XU, DL5YY, DL6MHW, DL6MYL, DL7AU, DL7BY, DL7UBA, DL7UFP, DL7URH, DL7UTM, DL7VOA, DL7VRO, DL7ZZ, DL8AKA, DL8AUA, DL8DYL, DL8WAA, DL9AWI, DL9DRA, ops)	17,170,650	19694	395
YL4HQ (YL3DW, YL2KL, YL2GM, YL2KA, YL2TW, YL2KF, YL2AG, YL2LY, YL2PP, YL3CW, YL3GDJ, RA3CW, RA4HTX, RZ4HF, RZ3BW, YL2DX, YL2PJ, YL2GD, YL2KO, YL2SM, YL2BJ, YL3AD, YL2MD, YL2GQT, YL1ZF, YL2CI, YL3FW, YL2GU1, YL3GQQ, YL2UZ, YL2VW, ops)	14,906,880	11788	384
SN0HQ (SP2FAX, SP2FOV, SP2JKC, SP2WKB, SP3BLP, SP3DWQ, SP3GEM, SP3HLM, SP3HRN, SP3NGB, SP5WA, SP6AYP, SP6AZT, SP6CZ, SP6HEQ, SP6IXF, SP6RZ, SP7AWG, SP7GIQ, SP7MTF, SP7MTU, SP7NJJ, SP7VC, SP8ARY, SP8BRQ, SP8FHK, SP8GQU, SP8GW1, SP8RX(DJ0IF), SP8LBK, SQ4NR, SQ8BGJ, SP4FCG, ops)	14,847,741	13630	389
OM1HQ (OM1CW, OM1KM, OM2DX, OM2RA, OM3BH, OM3CW, OM3EA, OM3GI, OM3JW, OM3LU, OM3NA, OM3PA, OM3RM, OM3RG, OM3TZQ, OM5DX, OM5NJ, OM5NS, OM5RM, OM5RW, OM5ZW, OM5WW, OM6NM, OM8AU, ops)	13,094,193	11521	367
PA6HQ (DH5HV, DL5JQ, JK3GAD, PA2VST, PA3ALK, PA3BAG, PA3CAL, PA3ELD, PA3EPD, PA3EPN, PA3EWP, PA3EZL, PA3FQA, PA3GCV, PA4LA, PA5ET, PA5AT PA7FM, PA7BT, PA7KG, PB0AIC, PB0AIU, PE9DX, PE9PE, PA0LFE, PA0VHA, PE1ALV, + support)	12,896,216	11044	344
EM0HQ (UR3EA, UR3MP, UR4ES, UR4LRG, UR4LTX, UR4LUG, UR5EAW, ops)	12,798,324	11145	378
OL1HQ (OK1ADM, OK1AU, OK1AWZ, OK1AXB, OK1AY, OK1AYE, OK1CF, OK1CM, OK1DC, OK1DG, OK1DRQ, OK1DUO, OK1DUT, OK1EP, OK1FDR, OK1FFU, OK1FHD, OK1FLM, OK1FUA, OK1FUT, OK1HRA, ops)	12,578,684	11856	361
9A0HQ (9A5K, 9A9A, 9A2AJ, 9A2EU, 9A4WW, 9A5W, 9A2DQ, 9A7R, 9A3GW, 9A8A, 9A3TR, 9A4RX, 9A4PA, 9A7V, 9A2D, 9A9AA, 9A5WA, 9A9R, 9A1AA, 9A2VR, ops)	12,107,259	10944	369
4O0HQ (4N7DW, 4N7ZZ, YT7KF, YT7TY, YT7WA, YU1EA, YU1JW, YU1NW, YU1ZZ, YU7AV, YU7BCI, YU7BJ, YU7CM, YU7GO, YU7GW, YU7JX, YU7KC, YU7KW, YU7NU, YU7WW, YU7YG, YZ1AU, YZ7AA, YZ7UN, ops)	12,071,696	11283	364
SK9HQ (SM3SGP, SM0WKA, SM5AJV, SM0NSJ, SM3OSM, SM0OEK, SM5IMO, SM2DMU, SM2HWG, SM3JLA, SM2LJY, SM2NOG, SM2ODG, SM2SYV, SM2VHD, SM3WMV, SM0KCO, SM0MXO, SM5HJZ, SM5AQD, SM7EHU, ops)	10,883,060	9280	340
IU4HQ (I4UFH, I4YSS, IK4MHB, IK4UPB, I4LEC, I4LCK, IV3TAN, IV3TMV, I4IKW, IK2NCJ, I4GHW, IK3VIA, IK4WMH, IK4SXJ, ops)	10,856,781	10100	351
YR0HQ (YO2BEH, YO2DFA, YO2LIF, YO3APJ, YO3FLR, YO3FWC, YO3GDA, YO3GJC, YO3GOD, YO3GRE, YO3JJ, YO3JOS, YO3ND, YO4ATW, YO4CIS, YO4FRF, YO4GDP, YO4NF, YO4XF, YO5TE, YO6AWR, YO6FWM, YO7BGA, YO7LBU, YO7LGI, YO7RFH, YO8BPK, YO8CQQ, YO8DDP, YO8EB, YO8RAW, YO8SSX, YO9FJW, YO9GZU, YO9HP, YO8IGI, ops)	9,655,275	9990	347
W1AW/6 (K6KM, K2KW, N6BT, N6TV, W6OAT, W6EU, K7NV, WJ60, W6RJ, A16V, K6XC, K17WX, W6NL, K6BL, K6AW, K3EST, N6BV, N6RO, ops)	7,588,956	9507	268
S50HQ (S50N, S52QM, S52U, S56A, S57CQ, S57DX, S57II0, S57KM, S57LWG, S57NRO, S57ONW, S57U, S57XX, S58M, S58MU, ops)	7,457,684	7574	346
ER7HQ (ER1BF, ER1FF, ER1DA, ER1LW, ER1OM, ER1QQ, ER3BAH, ER3DX, ER4DX, ER5AA, ER5AL, ER5DX, ER5OK, UT7ND, UR5NMM, ops)	6,782,897	6938	319
T90HQ (T92T, T93R, T93Y, T94DJ, T94GL, T94KU, T94LA, T94LP, T94MZ, T94NO, T94OL, T94QI, T94QM, T94VT, T94W, T94YT, T95A, T95DVD, T95M, T95MEQ, T97C, T97M, T97Y, T99T, T99Z, ops)	6,388,266	7064	309
NU1AW (W2AX, K2LE, K2SX, K2DO, K2SG, N2FF, N2GA, W1RM, W1VE, KM1P, K2VUI, ops)	5,919,341	7342	263
VA3RAC (+VA2RAC, VE4RAC, VE6RAC, VE7RAC, &VO1RAC) (VE3KZ, VE2ZP, VA2ADB, VE3RZ, VE6MAA, VE6JTM, VE6JY, VA7DP, VO1MP, VE4YU, VE4GV, VE4VV, VO1MX, VO1HE, VE4SN, VE6MAA, ops)	5,572,273	4477	329
LZ75A (LZ1NK, LZ1QZ, LZ1UQ, LZ2AF, LZ2AU, LZ2CJ, LZ2DB, LZ2FV, LZ2HM, LZ2JE, LZ2PL, LZ2PS, LZ2WF, LZ3ND, LZ3YY, LZ4UU, ops)	5,127,355	6371	305
LX0HQ (LX1AQ, LX1ER, LX1JH, LX1KQ, LX1RQ, LX1TI, K4ZLE, DL1EFD, DL5KUT, DK2OY, ops)	4,534,728	5177	267
LY0HQ (LY1FW, LY2GV, LY2KM, LY2OX, LY3BE, ops)	3,975,872	4320	296
EI0R (EI2CA, EI4FBB, EI5DI, EI5HD, EI6EW, EI7CD, EI8CE, ops)	2,358,180	3674	220
EA4URE (EA4AHD, EA4AMO, EA4BT, EA4EFJ, EA4GW, EA4JW, EC4AHN, EC4WZ,, EB4AKI, EB4EPJ, ops)	2,340,169	3107	221
OZ7D (OZ0RS, OZ1AA, OZ1ETA, ops)	1,945,230	2809	210
9V9HQ (@9V1YC) (9V1YC, 9V1BH, ops)	1,780,974	2536	177
GB5HQ (G4BUO, G4KIU, ops)	1,551,940	2051	235
HS0AC (HS1CKC, HS0GBI, HS2JFW, HS6NDK, JF6DEA, E21EIC, ops)	1,275,774	1758	186
HG5Z	879,589	1369	229
P41HQ	594,205	1121	115
9Q0AR	196,029	625	69
8J3JHQ (JH3AGV, JH3GXP, JR3QHQ, JF3CCN, JF3PLF, JL3JRY, JH5JKH/3, 7K2IVK/3, ops)	181,454	1164	91
VU2UR	60,060	193	84
SV1SV	54,296	292	88
ZS6SRL (ZS4BS, ZS4MS, ops)	6,993	64	27



Wojciech, SP9HWN, operating as SP9W, piloted his station to the top Single Operator Mixed Mode from Poland.

and are allowed to operate as true multi-multi stations. This makes for large scores, plenty of operators and exciting finishes across the time zones.

Bragging rights for the year 2001 are held by the Soyuz Radiolyubitelei Rossii [SRR], the Russian Amateur Radio Union. Using the call sign R3HQ, their ops finished with an IARU Society HQ station record score of 20,559,840. Former record holder, the Deutscher Amateur-Radio-Club [DARC], using the call DA0HQ, finished a strong second with a score over 17.1M. A tight race was seen between the third place HQ station finisher, YL4HQ, Latvias Radioamatieru Liga [LRAL], whose score of 14,906,880 edged out the 14,847,741 posted by challengers from SN0HQ—the Polski Związek Krotkofalowcow [PZK], Polish Amateur Radio Union. Congratulations to all of the outstanding competitors in each of the categories.

The 2002 IARU HF World Championship will be held the weekend of July 13-14. Concurrent with the championship will be the World Radiosport Team Championship, which will be held in Finland. Look for more information about this exciting event, which is sponsored by the Suomen Radioamatoriliitto [SRAL]—Finnish Amateur Radio League and Contest Club Finland. Be sure to visit the www.wrtc2002.org Web site. If you aren't one of the modern radio pioneers participating in the WRTC, you can still be a pioneer on your own, by participating in the 2002 IARU HF World Championships. And you won't need help from H. G. Wells along the way. Good luck!

Scores

Scores are listed by ITU Zone, and then by country, ARRL Section, or Canadian Province with the zone. Line Scores indicate call, final score, QSO total, Multiplier total, and entry class (A = Single Operator Mixed Mode, B = Single Operator Phone Only, C = Single Operator CW Only, D = Multioperator Single Transmitter).

Zone 2		San Joaquin Valley										West Texas										N1RJF (+WL7CMK)									
Alberta		K6BIM	793	25	13	A	W5ZQ	397,001	1031	121	B	K5C5L	63,075	254	75	B	N4CW	364,824	994	108	A	K4WDX	61,065	348	69	A	AE4Y	23,348	228	52	A
VA6MM	69,190	244	85	5	C	N6NNN (W6XK, N6EE, ops)	14,310	114	45	C	WA2ZOU	7,112	78	28	B	AE4Y	583,478	1284	142	B	NAUH	61,336	343	88	A	K4OG	81,136	343	88	A	
VA6RC	27,616	263	32	B	124,362	412	94	D	K5DQ5M	216	16	8	B	N6RFM	69,372	327	89	A	KX1X	42,420	187	70	B	W4YDY	66,612	303	78	B			
VE6BF	164,560	416	110	10	C	K6UJ	134,464	501	88	A	N5DO	497,826	951	162	C	K11US	41,772	237	59	B	NC4MI	66,345	303	78	B						
VE6YP	46,060	202	70	70	C	K6LRN	22,230	146	57	A	W7	K5ZD	2,367,741	2417	257	C	W3GQ	20,466	102	54	B	KV4CN	7,266	68	42	B					
VE6LB	18,338	105	53	C	W6NKR	11,830	86	35	C	Montana	KC7UP	8,140	68	37	B	K1TS	11,656	149	31	C	W4AF	1,728,250	2152	223	C						
British Columbia		VA7QSL	52,960	200	80	A	W7	K6TA	11,284	77	52	A	KT1TT (+N1FJ,W1TO,NU1P)	920,360	1595	173	D	W4CWA	3,936	51	32	C	W4CWA	3,936	51	32	C				
VE7XO	41,607	155	69	B	VA7DP	36,865	159	73	B	Arizona	W7YS	89,262	301	87	C	EA4EC	2,574	53	22	C	NA4F	309,120	826	128	C						
VE7U7	459,515	975	133	C	VA7DER	63,119	266	71	C	W7XPT	58,300	344	55	B	W9	KC9S	7,047	106	29	C	W4E4C	2,574	53	22	C						
VE7GL (+VA7QO, VA7AO)	500,084	1149	118	D	VA7LC	41,280	227	60	C	K7ON	49,896	279	63	C	Illinois	K9SD	684,170	1551	155	A	Western Massachusetts										
Zone 3		K7AVD	63,119	266	71	C	W7XP	58,300	344	55	B	W7	KA9RT	18,096	155	48	B	KM3T	205,768	661	89	A	W4W	583,478	1284	142	B				
Manitoba		VA7ZER	63,119	266	71	C	W7Y7S	89,262	301	87	C	Montana	K7ABV	11,830	86	35	C	N6RFM	69,372	327	89	A	W4YDY	66,612	303	78	B				
VE4UG	44,336	138	68	A	VA7ZL (+VA7QO, VA7AO)	500,084	1149	118	D	W7Y7N	49,896	279	63	C	K5DQ5M	216	16	8	B	KX1X	42,420	187	70	B	W3GQ	20,466	102	54	B		
Zone 4		K7AVD	63,119	266	71	C	W7ZG	49,896	279	63	C	Eastern Washington	KC7WUE	1,083	22	19	B	N5DO	497,826	951	162	C	W4AF	3,936	51	32	C				
Quebec		CG2AWR	233,914	671	109	A	W7ZG	49,896	279	63	C	Idaho	KW7N	36,394	187	62	B	W4CWA	3,936	51	32	C	W4W	583,478	1284	142	B				
VE2/VE6TC	55,302	239	78	B	CG2GWL	37,062	223	58	B	Montana	K5T7	137,428	449	94	A	K9S	7,047	106	29	C	W4E4C	2,574	53	22	C						
VE2OWL	3,744	52	24	C	VE2FEF	324	16	6	C	Oregon	K7ABV	61,420	279	74	A	W9	K9SD	684,170	1551	155	A	W4W	583,478	1284	142	B					
Ontario		VE3EJ	2,293,668	2493	234	A	W7ZG	49,896	279	63	C	Colorado	W9TM	701,349	1268	159	A	W4AF	3,936	51	32	C	W4W	583,478	1284	142	B				
VE3MQW	256,284	634	126	A	VE3XN	191,761	502	113	A	Iowa	K0JK	666	33	9	A	K9S	684,170	1551	155	A	W4W	583,478	1284	142	B						
VE3STT	27,264	614	126	A	VE3HGM	96,612	334	83	B	K9S	99,093	356	87	C	W0	K9MWM	99,093	356	87	C	W4W	583,478	1284	142	B						
VE3HGM	7,440	60	31	B	VE3YQY	5,304	72	17	B	Utah	W7GG	850,575	1426	165	D	W0	K9MWM	99,093	356	87	C	W4W	583,478	1284	142	B					
VA3UZ (@VE3OI)		1,649,784	2022	212	C	W7HS	27,825	113	75	C	Western Washington	W7OM	271,018	666	127	A	W0	K9MWM	99,093	356	87	C	W4W	583,478	1284	142	B				
VA3RU	1,269,200	1669	200	B	VE3IAY	288,256	658	128	C	Idaho	K7BTW	155,584	486	88	A	W0	K9MWM	99,093	356	87	C	W4W	583,478	1284	142	B					
VA3PK	223,104	580	112	C	VE3OSZ	71,840	178	160	C	Kansas	W7WA	1,224,828	1657	198	B	W0	K9MWM	99,093	356	87	C	W4W	583,478	1284	142	B					
VA3WZ	20,088	128	54	C	VE3MIS (+VE3IMG, VA3UA, VE3XAP, VE3FWA)	504,261	1150	129	D	Western Washington	W7WA	108,090	411	90	A	W0	K9MWM	99,093	356	87	C	W4W	583,478	1284	142	B					
Zone 6		W7HS	27,825	113	75	C	W7HS	27,825	113	75	C	Kansas	K0BJ	179,424	475	112	A	W0	K9MWM	99,093	356	87	C	W4W	583,478	1284	142	B			
W6		W7HS	27,825	113	75	C	W7HS	27,825	113	75	C	Kansas	W0BR	64,515	340	69	A	W0	K9MWM	99,093	356	87	C	W4W	583,478	1284	142	B			
East Bay		W7HS	27,825	113	75	C	W7HS	27,825	113	75	C	Kansas	K0FJ	47,125	238	65	B	W0	K9MWM	99,093	356	87	C	W4W	583,478	1284	142	B			
K6JAT	43,594	181	71	B	W7HS	27,825	113	75	C	Kansas	W0BY	52,536	154	48	B	W0	K9MWM	99,093	356	87	C	W4W	583,478	1284	142	B					
K6IOY	6,633	77	33	B	W7HS	27,825	113	75	C	Kansas	W0BY	68,040	401	60	A	W0	K9MWM	99,093	356	87	C	W4W	583,478	1284	142	B					
K6KDV	2,856	36	28	B	W7HS	27,825	113	75	C	Kansas	W05RK	57,711	197	153	B	W0	K9MWM	99,093	356	87	C	W4W	583,478	1284	142	B					
K6ZKM (K6WGP, op)		342,846	741	126	C	W7HS	27,825	113	75	C	Kansas	K0GJU	52,960	181	80	C	W0	K9MWM	99,093	356	87	C	W4W	583,478	1284	142	B				
Los Angeles		K6K6F	38,532	214	57	C	W7HS	27,825	113	75	C	Kansas	K0JL	1,941,100	172	121	D	W0	K9MWM	99,093	356	87	C	W4W	583,478	1284	142	B			
K6ADG	3,190	45	22	C	W7HS	27,825	113	75	C	Kansas	K0JL	469,480	1177	121	D	W0	K9MWM	99,093	356	87	C	W4W	583,478	1284	142	B					
Santa Barbara		W6TK	346,066	793	133	A	W7HS	27,825	113	75	C	Kansas	W0LS	876,484	1519	161	C	W0	K9MWM	99,093	356	87	C	W4W	583,478	1284	142	B			
W6TKG	69,888	256	78	A	W6TKW	14,795	104	160	A	Kansas	W0LS	7,046	99	26	B	W0	K9MWM	99,093	356	87	C	W4W	583,478	1284	142	B					
W6TKW	14,650	101	50	C	W6TKW	11,795	107	35	C	Kansas	W0LS	57,117	293	79	C	W0	K9MWM	99,093	356	87	C	W4W	583,478	1284	142	B					
W6TKW (DL3OJ, DK3WE, ops)		1,298,276	1783	199	C	W6TKW	11,795	107	35	C	Kansas	W0LS	57,117	293	79	C	W0	K9MWM	99,093	356	87	C	W4W	583,478	1284	142	B				
W6TKW (DL3OJ, DK3WE, ops)		14,650	101	50	C	W6TKW	11,795	107	35	C	Kansas	W0LS	57,117	293	79	C	W0	K9MWM	99,093	356	87	C	W4W	583,478	1284	142	B				
W6TKW (DL3OJ, DK3WE, ops)		88,334	144	168	D	W6TKW	11,795	107	35	C	Kansas	W0LS	57,117	293	79	C	W0	K9MWM	99,093	356	87	C	W4W	583,478	1284	142	B				
Santa Barbara		W6TKW	11,795	107	35	C	W6TKW	11,795	107	35	C	Kansas	W0LS	57,117	293	79	C	W0	K9MWM	99,093	356	87	C	W4W	583,478	1284	142	B			
Santa Clara Valley		W6TKW	65,171	1035	166	D	W6TKW	11,795	107	35	C	Kansas	W0LS	57,117	293	79	C	W0	K9MWM	99,093	356	87	C	W4W	583,478	1284	142	B			
K6K6T	693,165	1205	165	A	W6TKW	11,795	107	35	C	Kansas	W0LS	57,117	293	79	C	W0	K9MWM	99,093	356	87	C	W4W	583,478	1284	142	B					
K6KII	86,338	311	98	B	W6TKW	11,795	107	35	C	Kansas	W0LS	57,117	293	79	C	W0	K9MWM	99,093	356	87	C	W4W	583,478	1284	142	B					
K6K6PQF	3,300	54	6	C	W6TKW	11,795	107	35	C	Kansas	W0LS	57,117	293	79	C	W0	K9MWM	99,093	356	87	C	W4W	583,478	1284	142	B					
K6EDKU	1,744	14	8	B	W6TKW	11,795	107	35	C	Kansas	W0LS	57,117	293	79	C	W0	K9MWM	99,093	356	87	C	W4W	583,478	1284	142	B					
K6EDKU	1,744	14	8	B	W6TKW	11,795	107	35	C	Kansas	W0LS	57,117	293	79	C	W0	K9MWM	99,093	356	87	C	W4W	583,478	1284	142	B					
K6EDKU	1,744	14	8	B	W6TKW	11,795	107	35	C	Kansas	W0LS	57,117	293	79	C	W0	K9MWM	99,093	356	87	C	W4W	583,478	1284	142	B					
K6EDKU	1,744	14	8	B	W6TKW	11,795	107	35	C	Kansas	W0LS	57,117	293	79	C	W0	K9MWM	99,093	356	87	C	W4W	583,478	1284	142	B					
K6EDKU	1,744	14	8	B	W6TKW	11,795	107	35	C	Kansas	W0LS	57,117	293	79	C	W0	K9MWM	99,093	356	87	C	W4W</td									

W9	Illinois	Zone 13	Market Reef	F6IRA (+F5FLN, F4ARU, F1JRD)	DL0GRH	209	15	11	A	
W9LYA	65,272	350	82	A	OJOU	2,360,754	3167	198	D	
W9YS	34,574	199	59	A	PR7CP	41,832	179	72	B	
KG9N	11,104	136	32	A	PY7BEL	18,460	112	52	B	
W9HL	7,289	100	37	A	PR7FN	13,221	96	39	B	
N9KO	3,504	79	24	A	PY6KY	13,143	101	39	B	
WB9Z	1,241,175	1884	201	B	PS8NF	4,032	50	24	B	
N2BJ	260,130	914	115	B	PS8HF	1,440	30	16	B	
W9LYN	51,666	202	79	B	PR7AB	644	21	14	B	
K9KUP	10,602	113	38	B	PP7CW	33,630	118	57	C	
K9JY	335,705	942	109	C	PR7AA	8,188	66	46	D	
K9QVB	287,738	797	121	C						
AA9D	247,104	645	132	C						
K9WA	112,817	430	101	C						
K9MMS	64,584	312	78	C						
N9BOR	29,068	292	52	C						
KD0AV	18,753	172	47	C						
K9KM	15,158	108	53	C						
N9JY	9,306	98	33	C						
N9GUN	4,147	74	29	C						
K9UQN	1,324	446	89	C						
AA9NF	1,326	51	13	C						
KX9X (+NO9Z)	1,020,768	1982	168	D	L2T2D	227,160	464	120	A	
K9ZO (+KB9UWU)	855,424	1837	163	D	L07H	613,248	1054	128	B	
K9AA (K9PG, KB3AF, K9XD, ops)	812,570	1741	166	D	L1B1R	282,240	535	128	B	
K9YY (+KG9VO)	562,296	1160	168	D	L7UDW	248,963	458	143	B	
Indiana					L0OD	154,734	663	51	B	
K9NW (@K9UWA)	1,289,972	1825	202	C	L5TSH	121,923	398	69	B	
N9RV	748,568	1525	137	C	L5UEML	59,720	339	40	B	
KJ9C	454,328	1032	152	C	L2UDKNN	56,327	191	79	B	
AJ9C (+KE9I)	711,312	1590	146	D	LW1EGD	41,600	236	40	B	
Wisconsin					A9YH	18,624	103	48	B	
K9BKEG	57,174	268	78	A	L6UYAR	12,025	87	37	B	
N9PQJ	485,982	1231	133	B	LW7DQW	1,462	32	17	B	
K9QO	12,924	121	36	C	L2UDV1	175	11	7	B	
N9FH	208,800	741	87	C	LW9DAH	527,730	799	147	C	
N9XX	54,525	295	75	C	L1E1WL	293,309	505	131	C	
W9HR	5,319	47	27	C	L5UFZ	169,480	487	76	C	
Zone 9					L1UD1Z	75,454	281	62	C	
Maritime					L6RN (LU2NI, LU1NDC, LU8DW,					
VE9WH	1876	45	14	A	LU7AWP, LU1NAF, LU1SCV,					
Nova Scotia					LU2NAAA, LU4NA, LU4NAS, LU4NAZ,					
VE1OP	248,274	630	117	A	LU6HDF, LU7HBO, LU7NN, LU8NA,					
VE1JX	1,068,794	1517	173	B	LU1NA1B, ops)					
VE1JS	163,668	500	92	B	L30J (LU9JX, LU1JMS, ops)	1,113,000	1511	168	D	
VE1ZJ	736,874	1031	193	C	19,100	106	50	D		
Newfoundland-Labrador					SM6SXRW	4,064	171	87	C	
VO2/K2FRD	11,583	87	39	B	SM6PV8	7,920	74	45	C	
Zone 10										
Mexico										
XE1ZOI	113,295	385	83	C	Paraguay	ZP6T	761,125	1373	125	D
XE1L	101,381	608	49	C						
Zone 11										
Barbados										
8P6EX	59,276	218	73	B	Zone 15					
Trinidad & Tobago										
9Y4NED	5,304	66	24	B	Brazil	PS2E (PY2EX, op)				
9Y4TT (9Y4VU, 9Y4NZ, 9Y4NED, 9Y4KLF, 9Y4/DL2RVS, Z4CPC, ops)	47,2784	994	104	D	RW1A	1,189,728	1698	204	A	
Cuba					R41Z2	500,688	904	171	A	
T48Z	348,424	964	97	D	UA1TAN	307,428	772	137	A	
Martinique					RZ1AWO	261,513	687	147	A	
MF5CW	56,025	208	75	C	UA1A4AF	209,751	579	139	A	
Honduras					UA1OAM	105,340	368	115	A	
HR2CPS	3,519	47	23	B	UA1BA	123,478	376	107	B	
Dominica					RA1WZ	123,178	270	121	B	
J75KG (K5KG, op)	1,267,200	2092	160	A	RA1NA	122,499	349	117	C	
RA1NA	1,267,200	2092	160	A	UA1ONG	75,328	392	64	C	
Zone 16					UA1OMO	48,048	163	77	C	
Argentina					RA1OKWZ (RA2FW, RN2FA, UA1OMS, ops)	677,470	1188	185	D	
LV5V	1,085,460	1481	158	B						
Zone 17										
Iceland					Zone 19					
TF3VS	24,420	141	55	B	European Russia					
TF3KX	35,264	187	58	C	RW1ZA	1,189,728	1698	204	A	
Aruba					R41Z2	500,688	904	171	A	
P40B (P43P, op)	2,297,490	2293	215	B	UA1TAN	307,428	772	137	A	
P43DJ	370,740	747	111	B	RZ1AWO	261,513	687	147	A	
Netherland Antilles					UA1A4AF	209,751	579	139	A	
PJ2T (N8NR, W6CG, N8BQJQ, ops)	1,956,864	2644	156	D	UA1OAM	105,340	368	115	A	
Costa Rica					UA1BA	123,478	376	107	B	
T12DLL	38,160	218	53	B	RA9XA	901	25	17	A	
Virgin Islands					RA9XC	293,568	546	132	C	
WP2Z (AG8L, op)	1,986,198	2214	218	A						
Puerto Rico					Zone 20					
WP3GW	2,070	41	23	B	Asiatic Russia					
Aruba					RW1ZA	324,723	584	141	A	
P40B (P43P, op)	2,297,490	2293	215	B	R41Z2	309,160	576	131	A	
P43DJ	370,740	747	111	B	RA9CNV	13,728	113	32	A	
Zone 18					RA9XA	901	42	8	A	
Norway					RA9XC	293,568	546	132	C	
LA7MFA	702,307	1051	191	C						
LA2HFA	245,850	481	165	C	Zone 21					
LA5HFA	232,061	694	109	C	Asiatic Russia					
LA6PB	200,480	480	140	C	RW1ZA	324,723	584	141	A	
LA5FTA	40,205	186	85	C	R41Z2	309,160	576	131	A	
Cayman Islands					RA9CNV	13,728	113	32	A	
ZF2AH	266,004	922	81	A	RA9XA	293,568	546	132	C	
Finland										
Zone 12					Zone 26					
French Guiana					Asiatic Russia					
FY5KE	2,205,000	2637	180	D	UA0KBG	77,775	262	75	A	
Colombia					DL1RNT	194,768	485	148	C	
HJ4ZJS	24,372	168	36	B	DL1RNT	194,768	485	148	C	
HK3AXY	18,734	129	34	B	DL1RNT	194,768	485	148	C	
Peru					DL1RNT	194,768	485	148	C	
OA4AHW	63,018	219	81	B	DL1RNT	194,768	485	148	C	
OA4DKC	566,804	986	124	C	DL1RNT	194,768	485	148	C	
Brazil					DL1RNT	194,768	485	148	C	
PV8DX	492,100	821	133	C	DL1RNT	194,768	485	148	C	
Venezuela					DL1RNT	194,768	485	148	C	
YY3BKC	48,545	180	73	B	DL1RNT	194,768	485	148	C	
YY4EWW	13,363	129	23	B	DL1RNT	194,768	485	148	C	
YY5AFD	81	8	3	B	DL1RNT	194,768	485	148	C	
Zone 13					DL1RNT	194,768	485	148	C	
Denmark					DL1RNT	194,768	485	148	C	
Market Reef					DL1RNT	194,768	485	148	C	
OJOU	2,360,754	3167	198	D	DL1RNT	194,768	485	148	C	
Denmark					DL1RNT	194,768	485	148	C	
Zone 14					DL1RNT	194,768	485	148	C	
Chile					DL1RNT	194,768	485	148	C	
XQ1ZW	7,614	75	27	C	DL1RNT	194,768	485	148	C	
Uruguay					DL1RNT	194,768	485	148	C	
CX9AU	186,121	408	103	C	DL1RNT	194,768	485	148	C	
Argentina					DL1RNT	194,768	485	148	C	
Zone 15					DL1RNT	194,768	485	148	C	
Brazil					DL1RNT	194,768	485	148	C	
PS2E (PY2EX, op)	294,627	607	109	A	DL1RNT	194,768	485	148	C	
Py2NY	799,216	1030	176	A	DL1RNT	194,768	485	148	C	
Py2NDX	44,992	172	64	A	DL1RNT	194,768	485	148	C	
Py2YU	35,872	155	59	A	DL1RNT	194,768	485	148	C	
Py2PGR	88,976	304	83	A	DL1RNT	194,768	485	148	C	
Py3DX	17,950	118	50	A	DL1RNT	194,768	485	148	C	
Py7IQ	9,307	64	41	A	DL1RNT	194,768	485	148	C	
Py2TST	7,980	71	30	B	DL1RNT	194,768	485	148	C	
Py3Y	1,562	23	22	B	DL1RNT	194,768	485	148	C	
Py2EDY	1,248	22	16	B	DL1RNT	194,768	485	148	C	
Py3GLR	1,152	25	18	B	DL1RNT	194,768	485	148	C	
Py2SAA	884	18	17	B	DL1RNT	194,768	485	148	C	
Py2ZII	43,350	157	75	C	DL1RNT	194,768	485	148	C	
Py4YQF	23,180	110	61	C	DL1RNT	194,768	485	148	C	
ZW5B (PY5CC, PY5EG, PY1KN, PT2/Y1RL, ops)	2,878,896	2828	222	D	DL1RNT	194,768	485	148	C	
DL1RNT	1,004,296	1488	188	B	DL1RNT	194,768	485	148	C	
OH3OJ	722,108	1332	144	D	DL1RNT	194,768	485	148	C	
OH2Z	112,112	301	112	C	DL1RNT					

HB9DXC	294.000	618	168	C
HB9HDX	23.310	152	70	C
HB9EPE	(HB9D9S)	HB9SUL		
HB9DQP	HB9FBM	HB9FBS		
HB9ODK	HB9TII	HB9DHG	(ops)	
	363,090	997	133	D
Italy				
I3MLU	1,421,064	1806	216	A
IO9A	835,002	1408	189	A
IK6SNQ	788,436	1284	198	A
IK2UCK	116,206	431	97	A
IK3SCB	100,332	369	108	A
IO6T	534,006	1127	174	B
IR4B (IK4AUY, op)	513,468	1066	153	B
I24DPV	488,652	931	172	B
IK1RLI	462,150	990	158	B
I1COB	407,360	827	160	B
I25CMCL	299,298	576	166	B
I20BVU	169,521	475	121	B
I25ASZ	131,262	350	131	B
I3L	104,858	407	109	B
IU3G	84,930	272	114	B
I07Z	78,624	324	91	B
IK3OII	46,080	180	90	B
I2ZABN	25,986	115	61	B
I2ZCDH	19,312	102	68	B
IK1HSS	18,904	104	68	B
IK2WZQ	12,669	76	41	B
I2ZBUG	9,761	89	43	B
IK0XBX	9,200	89	40	B
IK0YVV	488,136	767	172	C
IQ3X	185,335	662	101	C
I21DF1	98,226	344	107	C
I6FDJ	96,822	340	99	C
IK0YUT	66,690	348	65	C
IK2SAE	55,000	255	88	C
IK2NCF	22,509	138	61	C
IR2V	20,540	121	65	C
IK2WY1	11,960	94	46	C
IR2W (IK2QE1, I2VXJ, I2ZPCP, I2EOW, ops)	2,460,776	2518	268	D
I79BLB (IT9VQDQ)				
I04T (IK4RQJ, IK4VET, IK4XCL, IK4ZHH, ops)	1,260,775	1797	235	D
I11H (IK2BCP, I2CZQ, I2KZU, ops)	1,095,900	1591	195	D
I1U2R (IK2BCP, I2CZQ, I2KZU, ops)	996,247	1343	217	D
I2U2R (IK2BCP, I2CZQ, I2KZU, ops)	946,189	1280	223	D
Sardinia				
IS0/E05JKL	22,448	142	61	B
IS0OMH	155,740	448	130	C
IS0IGV	106,240	434	80	C
IS0SDX	30,442	210	62	C
Bulgaria				
LZ2GS	119,282	341	146	A
LZ2UZ	97,232	282	103	A
LZ4BU	56,244	206	109	A
LZ1FW	4,550	80	50	A
LZ1HB	174,930	600	119	B
LZ1KSN	71,740	348	85	B
LZ1NG	71,344	583	52	B
LZ5PL	54,824	246	89	B
LZ2ZY	15,820	249	28	B
LZ5Z	9,541	99	29	B
LZ1RAY	7,680	168	24	B
LZ6C (LZ2TF, op)	276,336	691	144	C
LZ1OJ	120,819	330	103	C
LZ2FM	60,019	220	123	C
LZ2PB	49,077	281	57	C
LZ5ZI	24,150	178	50	C
LZ2LD	12,150	273	50	C
LZ2LDS	4,650	66	25	C
LZ1NQ	3,993	43	33	C
LZ2RS	2,114	65	7	C
Austria				
OE4C (OE1DIA, op)	594,945	990	195	B
OE75CWL	700,400	1318	170	A
OE1TKW	14,991	93	57	A
OE8SKQ	1,283,400	1699	207	B
OE75WWL	2,340	35	26	B
OE1ZKC	20	2	2	C
OE2ES (OE2GEN, OE2LCM, OE2MON, OE2VEL, ops)	1,830,270	2114	247	D
Czech Republic				
OK2FD	1,877,040	2026	270	A
OK2MBP	484,800	896	200	A
OK2HII	258,400	576	160	A
OK2PTZ	234,384	570	154	A
OK2PCN	228,456	512	167	A
OK1FM	173,548	401	172	A
OK2PMK	65,826	283	106	A
OK1AOU	55,396	172	97	A
OK1HCG	23,484	159	76	A
OK1RR	13,334	91	59	A
OK2ABU	11,739	129	91	A
OK1SI	7,650	80	50	A
OK2BDF	4,066	73	38	A
OK6A	57,456	277	34	B
OK1LO	49,470	198	102	B
OK2PMS	6,509	74	23	B
OK1CAZ	3,888	58	24	B
OK2BHE	3,460	43	20	B
OK1DVK	2,706	43	27	B
OL0E (OK2UU2, op)	1,236,512	1595	227	C
SP6IHE	438,012	862	207	B
SP6LUV	409,578	678	177	B
SP7SEW	257,958	684	153	B
SP6PFB	210,456	436	148	B
SP3NUN	174,156	473	138	B
SP9MRO/B	164,255	566	95	B
SP6GNV	161,460	435	138	B
SP2QZG	135,190	518	110	B
SP2QVU	131,544	388	126	B
SP6OIRR	119	13	7	A
SP6ALE	119	13	7	A
SP5PBE (SP5ELA, op)	84	12	7	A
SN2X (SP2DWG, op)	146,900	389	130	D
Y0KJL	480	13	20	D
Yugoslavia				
YU7BW	2,091,520	2307	256	A
YT1AD (Z322MZ, op)	1,891,450	2132	275	A
YU1OL	872,983	1301	208	A
YU1ZV	588,064	1144	184	A
YU1TC	110,880	374	110	C
YU1PJ	179,172	521	126	B
YU1LM	128,349	391	117	B
YU1TP	8,742	124	10	B
YU1PZ	6,831	75	33	B
YU0BXE	3,078	73	18	B
YU0YKJ	1,400	44	14	B
YU0AGI	194,090	529	130	C
YU0ADW	148,737	337	129	C
YU0BHN	145,431	384	143	C
YU0RHK	14,718	181	33	B
YU0STP	8,742	112	31	B
YU0QY	8,742	124	10	B
YU0YQH	1,606	29	18	C
YU0KVV (Y09GY, Y09FNR, op)	146,900	389	130	D
YU0KJL	480	13	20	D
Macedonia				
Z36W	10,692	75	44	A
Z31GX	1,064,115	1583	221	C
SP2QVU	131,544	388	126	B
SP2CMD	135,093	353	147	B
SP2QZG	135,190	518	110	B
SP2QH	135,412	473	138	B
YU1SF	63,112	58	28	C
YU1AT	1,500,866	1959	229	D
YU9X (YU1AU1, YT1EW, YT1RX, YU1UH, +loggers)	1,085,832	1622	216	D
Zone 29				
Azerbaijan				
4K9WV	62,881	204	91	C
SP2AEG	72	12	6	A
SP2FMN	24	8	2	A
SP9DAE	16	4	4	A
SP2LBN	8	3	4	A
SP2FU	7	7	1	A
SP5OQJ	2	2	1	A
SP9MRO/B	164,255	566	95	B
SPQFW	74,418	353	79	B
SP2TRX	83,448	271	122	B
SP6OPY	62,790	212	115	B
SP7BCG	68,139	260	113	B
SP6YMI	52,598	221	91	B
SP9MRQ	51,887	198	89	B
SP6AXW	47,104	210	92	B
SP8OQB	43,412	175	95	B
SP9ANT	41,478	165	93	B
SP6JHE	38,142	145	95	B
SP5BPK	105,393	269	129	B
SP6GK	47,104	127	84	B
SP2QZG	74,418	353	79	B
SP2QVU	131,544	388	126	B
SP6IHE	128,142	345	126	B
SP6LUV	409,578	678	177	B
SP7SEW	257,958	684	153	B
SP6PFB	880	17	16	B
SP9HFP	27,892	119	76	B
SP9AOR	15,210	119	39	B
SP9ZHF	12,361	89	47	B
SP3WVG	5,356	90	26	B
SP3XR	2,884	33	28	B
SP7CKF	1,430	42	26	B
SP1MVG	1,020	25	20	B
SP6CZ	946	22	22	B
SP2QDMR	4	2	2	B
SP2AVE	448,818	821	186	C
SP1CQ	220,950	482	150	C
SP6GP	170,751	441	141	C
SP3TFT	305	35	5	B
SP9ANT	33	7	3	B
SP2QDMR	4	2	2	B
SP2AVE	448,818	821	186	C
SP1CQ	220,950	482	150	C
SP6GP	170,751	441	141	C
SP3TFT	305	35	5	B
SP9ANT	33	7	3	B
SP2QDMR	4	2	2	B
SP2AVE	448,818	821	186	C
SP1CQ	220,950	482	150	C
SP6GP	170,751	441	141	C
SP3TFT	305	35	5	B
SP9ANT	33	7	3	B
SP2QDMR	4	2	2	B
SP2AVE	448,818	821	186	C
SP1CQ	220,950	482	150	C
SP6GP	170,751	441	141	C
SP3TFT	305	35	5	B
SP9ANT	33	7	3	B
SP2QDMR	4	2	2	B
SP2AVE	448,818	821	186	C
SP1CQ	220,950	482	150	C
SP6GP	170,751	441	141	C
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SP2AVE	448,818	821	186	C
SP1CQ	220,950	482	150	C
SP6GP	170,751	441	141	C
SP3TFT	305	35	5	B
SP9ANT	33	7	3	B
SP2QDMR	4	2	2	B
SP2AVE	448,818	821	186	C
SP1CQ	220,950	482	150	C
SP6GP	170,751	441	141	C
SP3TFT	305	35	5	B
SP9ANT	33	7	3	B
SP2QDMR	4	2	2	B
SP2AVE	448,818	821	186	C
SP1CQ	220,950	482	150	C
SP6GP	170,751	441	141	C
SP3TFT	305	35	5	B
SP9ANT	33	7	3	B
SP2QDMR	4	2	2	B
SP2AVE	448,818	821	186	C
SP1CQ	220,950	482	150	C
SP6GP	170,751	441	141	C
SP3TFT	305	35	5	B
SP9ANT	33	7	3	B
SP2QDMR	4	2	2	B
SP2AVE	448,818	821	186	C
SP1CQ	220,950	482	150	C
SP6GP	170,751	441	141	C
SP3TFT	305	35	5	B
SP9ANT	33	7	3	B
SP2QDMR	4	2	2	B
SP2AVE	448,818	821	186	C
SP1CQ	220,950	482	150	C
SP6GP	170,751	441	141	C
SP3TFT	305	35	5	B
SP9ANT	33	7	3	B
SP2QDMR	4	2	2	B
SP2AVE	448,818	821	186	C
SP1CQ	220,950	482	150	C
SP6GP	170,751	441	141	C
SP3TFT	305	35	5	B
SP9ANT	33	7	3	B
SP2QDMR	4	2	2	B
SP2AVE	448,818	821	186	C

UX3MR	345,900	958	100	B	UA9CID	833	19	17	A	CN2HK	686	18	14	A	JR3AAZ	18,265	89	65	A
UY7C	203,750	588	125	B	RX9LW	804	29	12	A	Portugal					JK3GWT	15,314	83	62	A
UR7EM	128,355	374	129	B	UA9LDM	756	24	12	A	CT1AOZ	523,752	1051	139	A	JU2OXI	14,946	80	53	A
UR8QR	84,700	289	100	B	RU9CZO	595	25	17	A	CT1GFK	29,718	218	39	C	JF2FIU	12,126	89	43	A
UT1WA	77,561	255	121	B	RN9CWB	570	24	15	A	Spain					JA6ODU	11,220	96	33	A
UT7MD	59,696	214	82	B	RN9CWF	495	23	15	A	EC5CEK	191,754	830	67	A	JO7BBS	8,610	68	42	A
UR4EI	50,463	202	81	B	RZ9CX	297	16	11	A	EA2CR	4,560	46	30	A	JE1VEY	6,552	72	28	A
UT7QL	49,280	242	70	B	UA9WE	60	10	6	A	EA3BOX	531,764	1073	148	B	JG3DOR	4,860	56	27	A
UR6MX	39,900	322	42	B	UA9MA	1,310,430	1507	209	B	EA3BW	193,914	552	114	B	JA3WFQ	1,079	21	13	A
UR5VBO	31,768	129	76	B	RZ9SR	386,850	621	150	B	EA4EMC	22,839	105	69	B	JA6GCE	652,545	1118	153	B
UR5KBY	8,046	108	27	B	RM9A(UA9ACJ,op)	218,316	429	138	B	EA3NP	119,991	365	111	B	JA4DPL	223,450	492	109	B
UR5KEF	4,525	57	25	B	UA9MO	124,209	448	111	B	EA5EG	95,793	292	111	B	JA2BNM	174,173	397	103	B
UT4MW	45,502	16	11	B	RA9FDR	88,371	271	81	B	EA3DTC	85,833	293	99	B	JA1SWB	109,650	321	86	B
UT5UJR	1,657,611	2108	261	C	RU9WZ	84,189	289	57	B	EA2CCG	52,899	232	77	B	JH1JUJ	74,970	220	85	B
UW5QW	1,454,188	1723	254	C	UA9CDV	1,809,159	1927	219	C	EA1BIM	42,900	295	44	B	JL3VUL	60,800	262	50	B
EO11 (UT11a, op)					RT9T(RW9W, op)					EA1AAW	36,960	162	70	B	JG7AMD	60,014	204	74	D
UT4FJ	1,395,504	1712	264	C						EA1OT	28,056	327	28	B	JG4OOU	57,825	195	75	B
UR5HAC	607,230	1054	195	C	RW9UW	450,772	883	119	C	EA5DFX	23,904	247	32	C	JA5EQ	57,250	313	50	B
UR3PDT	413,772	838	164	C	RW9MJ	107,520	284	84	C	EA4EMC	22,839	105	69	B	7N4IZK	56,280	206	67	B
UR6QS	385,950	690	186	C	RA9SO	83,176	268	74	C	EA7FRX	20,988	128	33	B	JA3AOP	51,903	199	73	B
UY3OW	370,018	990	139	C	UA9LAC	75,460	316	55	C	EA3ATO	8,820	104	28	B	JA9SCB	49,358	214	58	B
UY5TE	262,050	612	150	C	RV9SV	58,392	208	72	C	EA3DUZ	7,280	70	35	B	JG3UOB/1	36,358	150	53	B
US7IGF	255,750	525	165	C	UA9CR	24,603	120	59	C	EA7EXY	2,196	36	18	B	JE7DOT	35,175	135	75	B
UT5IZO	228,732	749	98	C	RU4HH	10,800	64	60	C	EC1CZA	936	22	13	B	JG2CNZ	34,146	140	63	B
UT7QMR	181,146	558	114	C	RT9W (RW9WX, RX9WR, RW9WW, RW9WY, RX9WI, RA9WR, ops)					EA1BV	248	12	8	B	JR1MRG	24,720	108	60	B
UT6S1	172,356	389	159	C						EA5FV	1,094,724	1688	188	C	JR7LVK	21,266	114	49	B
UT7WR	128,684	455	84	C	RK9CW (RZ9CO, RA9CMO, RA9CKQ, UA9CIR, ops)	2,776,670	2472	265	D	EA5FDI	501,721	816	187	C	JG2REJ	19,649	98	49	B
UY5WY	123,906	454	60	C						EA4DRV	376,950	803	150	C	JA2BEP	15,386	82	49	B
UY2RO	114,345	326	105	C						EA4NP	158,080	382	130	C	JA2GHP	14,398	89	46	B
UY5ZI	101,292	323	92	C	RZ9AW (RZ9AE, RV9BB, ops)	5,152,692	2465	236	D	EA7CA	85,158	249	114	C	JG7DOT	12,702	69	58	B
UU2JA	58,184	180	137	C						EA5EOH	78,667	247	97	C	JM1CHT	11,736	86	36	A
US1PM	58,448	342	52	C						EA5YU	73,425	279	89	C	JA8JU	10,461	85	33	A
UR6IGG	54,768	230	84	C						EA1DGG	71,289	258	89	C	JL3RDC	9,972	77	36	B
US3OW	44,986	201	83	C						EA2AOI	46,852	166	106	C	JA1K9H	9,879	73	37	B
UT3EK	20,496	152	42	C						EA7AAE	37,345	244	55	C	JIBBUR/8	7,533	67	31	B
UT3IB	18,216	155	44	C						EA5DFV (+E5ON)	1,417,520	1940	208	D	JH3XOM	7,047	74	27	B
US9QA	6,105	65	37	C										JA1AXL/X9	5,983	55	31	C	
UT6UQG	168	10	7	C	KU8WW	49,302	237	54	A					JA1APV	4,048	50	23	B	
UW7W	244,068	518	132	D	UK8CK	138,460	222	172	C					JZ6WR (ZS6BSF, ZS6ENK, ZS6TC, ZS6FJ, ZS6RDP, ZS6PV, ZR6SS, ZR6SAN, ZR6COB, ZR6TOS, ops)	27,389	145	61	D	
Zone 30																			
Kyrgyzstan																			
Kazakhstan																			
Zone 31																			
Kyrgyzstan																			
Zone 32																			
Asiatic Russia																			
Zone 33																			
Kyrgyzstan																			
EX2T	159,048	400	94	B	UA9OSV	39,270	157	77	A	Zone 39									
EX2A	147,602	400	91	C	RZ9HG	18,414	102	54	A	Israel									
EX2X	95,468	403	58	C	UA9YAB	14,898	106	39	A	4Z5FW	24,327	191	27	A	JA9CWL	106,400	268	10	B
European Russia										4X1ML	3,117,435	3177	205	B	JA3JMB	90,598	259	97	B
RN4WA	397,014	779	177	A	UA9OSV	39,270	157	77	A	4Z5FL/M	44,226	143	91	B	JA9CVJ	196,206	439	106	C
RW4PL	277,614	549	146	A	RG9 (RZ9UW, op)	577,672	1198	163	C	4X6HP	28,518	153	49	B	JA2KKA	155,184	322	122	C
RA9AN	55,361	203	83	A	UA9OQ	391,856	650	152	C	Cyprus					JA1XEM	138,180	340	155	C
UA4PFO	3,969	56	27	A	UA9OA	391,856	650	152	C	584KH	671,976	1367	108	B	JA1SOC	112,963	326	83	C
UA4RF	3,800	60	25	A	UA9OQ	391,856	650	152	C	P3A (RA3JX, RZ3UA, RW9UP, RV9UP, UA9UDH, ops)	3,117,435	3177	205	B	JA3VXW	106,400	268	10	B
UA4XR	1,738	44	22	A	UA9OQ	391,856	650	152	C	4Z1ML	44,226	143	91	B	JA3JMB	90,598	259	97	B
RA4PU	1,474	31	22	A	UA9URF	87,780	292	77	C	ZC4BS	494,649	772	153	B	JA4BA	44,928	108	42	C
UA4PXA	1,000	29	20	A	UA9HO	63,750	200	85	C	ZC4DW	390,476	720	124	C	JA1JGZ	42,240	152	80	C
UA4PT	765	29	17	A	RU8UN	20,414	102	59	C	H2G (BG4AGY, BG4ELV, BG4EMA, +loggers)	2,822,889	2845	213	D	JA0VNU	59,293	200	77	D
RA4WJ	1,816,430	2009	245	B										JA1JXU	37,303	141	73	C	
RW4PJ	512	19	16	B	UN5J	20,502	118	51	A					JA2QVP	32,188	159	52	C	
RU4WE	242,242	589	143	C	UN8FZ	200,934	440	122	C					JP1SRG	31,920	118	68	C	
RU4WT	84,777	331	77	C										JA1HPC	22,797	114	51	C	
Zone 32														Zone 40					
Asiatic Russia														Iran					
RW9TA	1,343,251	1569	203	A	UA9ACG	388,240	811	115	A	BD5WW	115,842	412	86	C	JA7CZE	2,461	53	26	C
RQ9CZQ	1,296,890	1573	194	A	RA9LW	91,500	321	75	A	JA7ARW	1,202,410	1630	170	A	JA1ZQX	14,586	79	51	A
UA9CLB	1,054,434	1352	186	A	UA9ANW	56,234	233	62	A	JA1KVS	1,202,410	1630	170	A	JA1ZQX	14,586	79	51	A
RA9DZ	581,258	891	163	A	RU0AT	29,640	196	39	A	JA1ZQX	1,202,410	1630	170	A	JA1ZQX	14,586	79	51	A
UA9FM	62,056	903	136	A	RA9AM	22,630	120	73	A	JA1ZQX	1,202,410	1630	170	A	JA1ZQX	14,586	79	51	A
RW9QA	425,316	786	134	A	UA9OYAY	16,856	98	56	A	JA1ZQX	1,202,410	1630	170	A	JA1ZQX	14,586	79	51	A
RN9RZ	414,036	672	159	A	RV9AR	46,978	162	83	B	JA1ZQX	1,202,410	1630	170	A	JA1ZQX	14,586	79	51	A
RA9AC	319,771	621	131	A	UA9AGI	53,483	199												