

Number groups after calls denote score, total QSOs, WVE multiplier, countries worked. Total multiplier is the addition of the WVE and countries. Multi-op scores follow single-op listings. An asterisk (*) denotes low power. State, province, and country certificate winners are listed in bold.

2021 CW RESULTS
SINGLE OPERATOR
NORTH AMERICA
UNITED STATES

CONNECTICUT				
K1K1	723,120	1600	59	56
K1Z2	331,934	842	54	43
W1WFEF	137,940	703	52	24
*W1QK	126,144	683	50	22
KA1J	115,077	426	54	35
KM1R	105,160	340	51	37
*W1EQ	90,892	613	51	11
W3SM	42,444	339	45	9
W1JQ	40,192	221	45	19
K1BUK	29,500	248	44	6
*K1SA	11,346	159	30	1
W1NKN	9,583	99	33	4
MAINE				
K1DG	353,772	837	53	40
K7GM	52,758	222	34	20
*N1CGP	40,508	340	48	4
K1VHS	24,084	128	40	14
*WW1ME	20,280	211	36	4
*W1ND	17,928	225	34	2
MASSACHUSETTS				
K5ZD	359,200	1038	57	43
AA1ON	160,107	624	54	29
N1PGA	139,416	773	55	19
W1GD	86,580	311	44	34
*N1QY	64,866	479	45	12
*K1VUT	61,936	510	43	8
*N1DC	47,530	350	47	8
*N1DM	30,836	353	41	3
*K1HT	30,037	201	44	13
W1IS	23,142	230	38	4
*WB1AEL	22,308	224	42	2
*AA2S	19,950	231	38	0
*K1UN	15,960	160	42	0
*N1YL	13,186	151	36	2
W1HNZ	9,235	127	34	1
*N1AW	8,480	110	30	2
*N1UZ	6,318	96	27	0
*N1NN	6,132	122	20	1
*W1AST	6,025	107	24	1
KB1OIQ	3,393	51	29	0
N1ILZ	1,241	29	17	0
*N1FJ	1,001	37	13	0
*W1KM	24	4	3	0
NEW HAMPSHIRE				
K1AR	244,306	915	56	38
K1TR	191,856	850	57	27
N1IX	96,876	514	47	22
K2RR	55,800	253	30	25
*N1GN	42,412	337	44	9
*K1NH	39,909	306	42	11
*K8LT	24,255	235	41	4
*AK1P	14,190	188	30	3
AA1QD	12,079	69	36	11
*NX3Z	8,046	125	26	1
*KG1V	2,508	51	19	0
RHODE ISLAND				
W1YX	219,296	843	54	35
*K1MD	52,200	394	49	9
*K1DFT	14,994	152	38	4
W1OP	588	20	12	0
VERMONT				
*K1EP	114,286	792	50	12
KK1L	59,850	298	47	23
*NA1VT	1,501	35	19	0
NEW JERSEY				
AF2F	91,494	532	53	16
W2QIB	50,930	395	48	7
*N2CJ	44,550	348	45	9
*K2YQ	22,960	253	40	1
*K2WUF	20,865	233	37	2
K2SE	17,160	184	36	3
*N2DSW	12,274	136	34	4
W2TT	8,244	92	33	3
KR2Q	6,210	119	22	1
*AB2TB	5,681	107	23	0
*W2UDT	198	9	11	0
NEW YORK				
AB3CX	566,720	1310	58	52
W2XL	166,166	834	54	23
K2NV	163,540	749	56	28
N2YB	158,418	856	52	22
NS2N	125,706	597	55	27
N2QV	85,425	263	39	28
*K2QB	78,603	615	50	7
K4RUM	51,408	446	47	4
N2RD	50,029	455	47	2
K2XA	49,274	125	34	4
W5M	24,725	201	47	24
*WA2QAU	35,751	307	48	3
*N2RI	34,188	356	40	2
W2QL	27,189	215	48	5
N2BEG	27,048	237	40	6
KM2L	26,620	256	39	5
WB2NFL	25,998	269	39	5
*K0AGBD	24,725	255	41	2
NN2NN	22,620	260	38	1
K2YR	21,294	206	38	4
NO2C	18,000	173	45	3
*AH2C	15,552	186	33	3
*AG2AA	14,516	161	36	2
*W2YK	10,830	114	33	5
*N2J	9,568	130	31	1
*AC2JK	4,321	64	28	1
*K4RFK	3,925	65	24	1
*AC2OC	2,373	49	21	0
*AC2FA	858	27	13	0
*KD2KEH	40	5	4	0

DELAWARE				
AA1K	790,236	1703	57	51
WA3V	1,536	32	23	1
DISTRICT OF COLUMBIA				
W3DQ	121,320	678	55	17
K2ACX	27,757	313	39	2
MARYLAND				
W2SC	473,235	1343	59	46
*K04D	377,400	1044	57	45
K3ZD	299,044	980	56	37
W3JQ	176,085	486	53	36
W3GJ	147,015	726	54	27
W3KL	121,623	714	54	17
*WK3A	74,230	422	47	18
*K3KU	73,809	550	53	6
*WA3FAE	65,718	550	49	5
NC3Y	51,793	467	46	3
*N3TE	24,426	227	41	5
*WA3EUQ	19,888	102	41	3
*W3JUU	10,179	123	38	1
*W3FA	6,356	103	27	0
N3XL	4,268	88	22	0
*N3ADF	2,180	50	21	0
*KE3GK	2,142	45	20	0
PENNSYLVANIA				
W3BGN	462,176	1280	57	47
K3UL	408,240	1085	57	51
W3TS	225,675	1067	58	27
*N2EM	91,863	692	54	5
*K3SWZ	84,096	433	52	20
NA3F	68,730	510	49	9
K3RFM	60,135	463	47	7
*W3SC	58,191	506	47	4
N3XZ	51,657	255	45	22
K3UGJ	46,624	300	51	11
*WA1HEW	42,630	381	45	4
KA2C	29,700	238	41	9
W3UJ	17,680	191	39	2
*N3RM	6,690	94	28	2
*K0DHM	6,336	67	30	2
*N3JNX	2,360	50	19	1
*K3IK	784	20	16	0
ALABAMA				
AG4W	77,900	379	52	24
*K4NO	67,338	558	47	7
W4RYW	39,730	276	43	10
*W5NZ	11,256	115	38	1
*N4V4	8,512	100	37	4
*AB4WL	3,164	55	28	0
FLORIDA				
N4TB	67,020	496	53	7
N4FP	56,587	444	48	11
N4EK	44,500	395	44	6
AE2DX	31,750	282	43	4
*W4IT	31,416	271	43	8
*KM2T	29,214	228	45	9
*AD4Z	26,264	238	42	7
*W4TJM	25,449	226	45	6
W3USA	21,408	188	40	8
W4IE	18,098	179	43	4
*K8MR	12,600	135	35	5
K3SV	11,610	98	37	8
*K2ZR	9,000	110	30	6
*KA3EHL	5,130	86	25	4
*K4SXT	4,896	60	30	4
AA8R	3,744	72	21	3
*K8RGI	3,042	51	23	3
*W0PY	2,800	48	24	2
*K4JLE	2,392	43	24	2
*W3YR	1,640	35	18	2
*N2YF	168	9	6	1
N4CU	84	7	6	0
GEORGIA				
NO9E	267,806	1027	57	37
WE1ZT	191,220	782	56	29
K4BAI	135,000	757	56	19
WA4TL	119,424	829	54	10
WF4W	50,568	408	52	4
AJ2Y	43,456	339	45	11
*N4JVP	40,716	291	48	10
N4JL	12,204	147	33	3
*K4MFC	3,689	64	27	0
*K4EQM	1,296	36	18	0
*W4EMI	864	27	16	0
KENTUCKY				
W5MX	555,768	1447	59	49
*K4FT	77,696	529	53	11
*K4AQW	44,064	418	47	1
*K4FN	39,930	323	51	4
KD4EE	26,004	261	41	3
*KM4FO	23,994	249	41	2
*K4JAO	20,640	193	44	4
NORTH CAROLINA				
N4AF	402,896	1057	56	48
N4CW	234,248	882	52	37
N4YDU	160,436	703	48	28
*N4UJ	91,091	445	54	29
W4HWD	68,952	391	49	19
W1AJT	68,580	501	53	7
*N3CKI	42,688	425	43	3
NC4S	34,400	306	44	3
*N4CWZ	32,760	369	39	1
*N4NTO	21,672	225	39	4
*K4BSK	21,320	244	38	2
*K21X	14,319	140	38	5
*K4U4	10,560	147	30	2
W3DQ5	9,870	98	37	5
K3WA	5,800	104	24	1
*K3YDX	4,394	40	25	1
W4JFA	3,164	49	26	2
*W4GHV	18	3	3	0
SOUTH CAROLINA				
NN4SS	68,034	523	51	7
K4HR	56,097	321	52	17
*W4BOJY	45,760	364	49	6
*W4MY	37,388	308	43	9
*AC4MC	25,333	235	43	4
N17R	24,158	224	42	4
*N4XL	13,860	131	40	4
TENNESSEE				
*K4OAO	82,152	663	52	4
W4UT	77,760	525	55	9
K1GU	69,832	562	48	2

ARIZONA				
*AC4G	65,348	452	51	11
KM9P	47,288	463	41	5
K0EJ	41,952	414	43	3
W4NZ	40,976	351	48	4
WB4YDY	31,641	267	48	5
W3TB	31,275	297	40	5
*K5AX	17,350	151	47	3
*K4KO	11,170	153	34	1
KA4OTB	10,574	139	31	1
*W4CFNF	3,264	62	24	0
*K4DXV	1,178	31	19	0
ARIZONA				
K3ZM	844,364	1592	58	58
K0ZB	355,925	1198	59	40
W4CF	335,773	1149	59	36
K4ZW	97,980	570	56	15
WNTS	83,608	668	51	5
*K4ORD	76,510	423	52	18
*KG3V	63,104	390	49	15
*KR4V	59,907	456	49	8
N4DJ	55,384	431	48	8
W4YE	54,060	375	49	11
W4WVWQ	41,022	335	45	8
*K4FJV	36,425	359	44	3
K4RDU	32,976	301	43	3
*K4BAC	31,902	367	37	3
K2WK	31,428	24	46	8
*W5VS	24,400	204	48	4
N4CF	20,167	206	41	2
*K4YT	19,330	190	42	3
*K4HQK	18,936	233	34	2
W1IE	16,735	156	43	4
*K8SYH	12,198	145	36	2
*W4VJ	11,305	142	34	1
K4MI	10,620	120	32	4
N8AID	10,560	120	36	4
WB2DHY	8,778	88	33	5
*K4YCR	8,711	124	30	1
NG2H	6,929	62	36	5
*W4GRC	5,616	95	27	0
*K4QET	3,586	71	22	0
N3JB	1,960	28	25	3
*N04K	30	5	3	0
*K4PZC	24	3	4	0
ARKANSAS				
W5ZN	454,104	1369	59	47
N5DX	407,880	1390	59	44
K9OZ	45,150	420	48	2
*W4SOG	41,499	344	47	6
W4SBDU	39,015	348	48	3

WOOS	35,336	268	51	5
K0HB	34,614	271	50	4
*WB0CFF	34,026	285	50	3
*N0LY	33,000	287	52	3
*W0BM	23,912	220	48	1
*KB0NES	20,565	200	42	3
*W0ZF	18,612	192	43	1
*K0PK	18,084	183	43	1
*A0ZO	17,052	182	41	1
*AA0AW	13,020	134	41	1
*K0GV	9,078	117	33	1
*K0JF	8,510	106	37	0
*W0A0LIF	7,200	108	29	1
*K0TC	5,568	84	29	0
K0VG	4,991	73	30	1
W0AMMHJ	4,865	62	32	3
*W07U	2,376	51	22	0
W0ZQ	400	17	10	0
*K0JP	36	6	3	0

MISSOURI				
N0IS	158,508	886	57	17
WX8C	106,432	733	57	7
*W0TT	68,970	573	55	0
NW0M	58,128	480	53	3
*N0ZT	53,130	450	52	3
*W0LW	22,876	215	43	4
*N0AX	15,792	164	40	2
*W0B0QLU	10,080	132	34	1
*AA0CL	4,368	78	28	0
*W07U	3,483	57	27	0
*W0PF	2,871	48	28	1
K0WB	40	5	4	0

NEBRASKA				
WB0QAF	35,598	319	48	3
*WD0BZG	24,531	212	48	3
*K0RP	7,980	90	35	3
*K0KPH	3,276	54	26	0
WN0L	882	29	18	0

NORTH DAKOTA				
*N0UD	8,360	97	36	2

SOUTH DAKOTA				
**WD0T	86,420	673	55	3
*K0BT	25,100	227	49	1
*W0EJ	3,432	63	26	0

CANADA				
NEW BRUNSWICK				
VE8CB	180,289	502	48	23
*VE8MT	26,005	160	33	2

NOVA SCOTIA				
VA18T	514,806	555	51	43
VE1ANU	65,825	253	40	13
*VA1MM	19,041	119	27	6

PRINCE EDWARD ISLAND				
VY2ZM	1,807,032	1890	60	69

QUEBEC				
*VE2OWL	6,573	68	20	1
*VE2QV	1,755	30	13	0

ONTARIO				
VE3DZ	829,985	1382	60	53
VE3AT	808,038	1350	60	46
*VE3MGY	444,528	1116	59	22
VA3AF	372,580	590	57	20
*VE3JM	357,738	694	56	30
VE3PN	314,348	882	58	31
VE3YT	259,712	842	56	8
*VE3XL	197,470	668	55	7
*VA3SB	187,488	729	52	2
VE3BR	178,791	612	54	7
VE3KP	155,730	552	52	6
*VE3AQ	136,059	499	51	6
*VA3EC	103,929	441	46	3
VA3SK	99,198	303	52	14
*VE3WG	75,350	314	46	4
*VE3ADQ	74,152	296	46	6
*VA3TMV	58,834	266	43	3
*VE3MA	53,946	309	37	0
*VE3EON	51,828	260	39	3
*VE3DS	49,922	240	47	3
VE3UZ	46,655	229	41	2
*VE3SST	32,328	191	34	2
*VA3YV	20,596	115	36	2
*VE3RRD	19,992	123	34	0
*VA3WV	17,871	102	35	2
*VE3KTB	11,600	86	29	0
*VE3MA	8,020	84	21	0
*VE3EKA	4,620	47	21	0
*VA3TTB	640	14	10	0

MANITOBA				
*VE4VT	66,588	265	50	3

SASKATCHEWAN				
*VE5SF	54,570	226	50	1
*VE5KS	12,110	74	35	0
*VE5VG	8,890	65	29	0
VE5CPU	7,888	58	27	1

ALBERTA				
VE8BP	263,432	793	58	10
*VE8DD	33,294	122	47	4
*VE8TN	11,256	82	28	0
*VA8RCN	1,248	22	12	0

BRITISH COLUMBIA				
VA7MM	86,761	337	47	6
*VE7SL	33,300	144	47	3
VE7XT	30,760	164	34	6
*VA7ZE	20,800	127	31	1
VE7JKZ	15,266	97	31	3
VE7RG	14,952	115	25	3
*VA7ES	5,840	65	20	0
*VA7ST	4,667	79	13	0

NORTH AMERICA				
Alaska				
*KL2S	20	2	2	0

Belize				
*V31YN	900	15	10	2

Cayman Islands				
ZF5T	1,392,952	1727	58	63
ZF2WF	642,928	1063	57	47

Cuba				
*CO2RQ	83,316	313	44	9

Dominican Republic				
*H3AA	25,956	145	31	5
*H3Y	6,798	63	18	4
*H8A	399	12	3	4

Mexico				
XE2S	107,136	395	50	4
*XE2RT	15,660	105	29	1
*XETAY	8,074	74	20	2
	585	13	9	0

Puerto Rico				
KP4AA	367,598	628	53	45
*WP3C	129,780	318	43	27
NP4G	4,224	39	19	3

U.S. Virgin Islands				
NP2J	1,159,684	1482	59	62
KP2M	627,816	923	52	49

AFRICA				
Canary Islands				
*EA8BQM	1,584	15	0	12

Cape Verde				
D4Z	1,056,410	1001	46	60

Tunisia				
*3V8SF	381,335	720	4	49

ASIA				
Asiatic Russia				
FX9WN	325,655	631	0	55
UA9QM	153,180	382	0	45
UA9OR	93,111	266	0	41
RW0CQ	37,584	213	4	25
*R19M	27,720	105	0	30
*RBHAG	11,840	74	0	20
*RT9YA	5,516	59	0	14
RU9Y	5,446	59	0	14
UA0OK	4,710	53	0	15
*R0OUN	4,662	71	0	14
*UA9ADG	4,384	30	0	16
*RW0CVJ	3,353	21	0	9
RU0LL	609	21	0	7
*R0KUT	378	19	0	7
*RZ9P	340	20	0	5
*RA0LKM	318	23	0	3
RK9AY	72	4	0	3
*RN0UT	14	5	0	2

Asiatic Turkey				
TA2FE	84,558	250	0	34
TA4RC	630	11	0	6
*TA3A	360	6	0	6

China				
*BD70B	5,491	59	0	17
*R4HFS	2,826	74	0	9
*BH4TOX	1,368	39	0	8
*BG1WNU	1,160	34	0	8
BY1OK	630	30	0	5
*B6GSNJ	258	10	0	6

Georgia				
4L2M	219,960	479	1	46

Hong Kong				
VR2KAN	149,296	370	9	47
*VR2EH	2,871	48	0	11
*VR2CO	75	4	0	3

India				
*VU2BGS	220	6	0	4

Israel				
4Z5LY	179,023	393	2	45

Japan				
JH4UYB	304,264	558	23	50
JIKSDH	71,100	217	13	37
JR4CZM	59,972	240	12	32
JH6OFJ	45,279	157	9	34
JA6LCL	41,880	172	7	33
JA6BZI	40,795	169	10	31
JA1XEC	26,980	78	13	25
JE1RZR	21,793	115	7	24
JR11JV	18,784	70	10	22
JA4CJU	17,833	76	6	23
JA1PTJ	17,220	73	10	18
*JE1SPY	16,900	153	11	15
*JA7KPI	16,575	147	7	18
JR2PMT	15,522	115	4	22
JA1SVP	14,742	109	8	22
JA1DUH	13,857	54	9	22
JH6TNH	9,200	69	4	19
JA6FFK	7,543	87	1	18
*JA7BEW	6,822	84	5	13
*JA1BJJ	6,622	125	2	12
JA6ELV	6,444	78	4	14
JF2FJU	6,240	94	5	11
JA1TMM	6,154	95	5	12
JH10GC	5,764	31	7	15
JA1XJN	5,283	64	3	12
JA1YAC	5,073	35	0	19
JQ1UXN	4,199	88	2	11
*JN1MSO	4,188	110	4	8
JH2KKW	4,158	64	2	12
JA3IBU	4,114	31	7	10
JN3TMM	3,315	58	3	12
*JH1FSF	3,264	26	2	14
JN3TAN	3,122	49	4	10
*JL10DO	2,717	73	2	9
JA9FHB	2,340	27	5	7
*JA0BZY	2,220	27	0	12
*JL3MCM	2,160	25	4	11
JH1HDT	1,960	14	6	8
*JK8PBO	1,890	60	3	9
*JH1FSS	1,440	17	3	9
JA6BWH	1,246	51	0	7
*JF2VAX	1,035	26	1	8
*8N11ZA	828	93	0	4
*7K1MAG	800	65	0	5
JH9CEN	768	40	0	6
*JA1GZK	594	30	0	6
JA1AYC	590	40	0	5
*JH2CZY	518	35	0	7
*JA3MIB	504	48	0	7

*JH1KPT	417	59	0	3
JA1BBC	408	42	0	4
*JA1EMO	399	10	1	6
*JE2PCY	360	9	0	3
*J11WAV	315	45	0	3
*JS1WWR	300	8	0	6
*JA5CUX	295	19	0	5
*JF1GZZ	276	43	0	3
JK1W5H	276	34	0	3
JH1NXU	228	21	0	4
JQ1CVV	160	8	0	4
*JA1VAC	153	18	0	3
JA0GCI	150	9	0	3
*JH4RUM	147	20	0	3
JA0GCV	108	12	0	3
*JH1RUSU	82	19	0	2
*JF10PO	54	12	0	2
*JROECC	44	8	0	2
*JQ3TAN	22	4	0	3
*JE1CAC	22	4	0	2
*JM7GTK	5	1	0	1

Kazakhstan				
UN9L	773,403	1168	1	70
*UN7CN	38,040	180	0	24
*UN7LDR	20,862	129	0	19
UN5J	18,106	99	0	22
*UNGT	1,040	28	0	4

Kuwait				
9K2NO	997,058	1083	25	69

Kyrgyzstan				
*EX8MJ	1,320	29	0	6

Mongolia				
JT1CO	256,608	604	1	53

Republic of Korea				
HL5VL	52,128	218	9	27
DL5JVV	28,050	196	3	22
DL5CJV	21,620	195	0	22
HL2CFY	6,640	74	1	15
HL2WA	4,176	57	0	12
HL2EIZ	3,042	45	1	12
*HL4CEL	1,488	81	0	4
*HL5YJ	292	17	0	4
*HL4CFN	54	6	0	2

Uzbekistan				
UK7AL	2,430	32	0	9

EUROPE				
Austria				
OE2BZL	286,679	815	9	54
*OE3WMA	95,083	570	0	33
*OE1CIW	39,040	247	0	32
*OE2E	26,334	140	0	38

Baleares Islands				
E68SX	817,520	1272	41	69

*DL1RPR	8,606	70	0	26
*DK3PM	8,470	95	0	22
*DL1ARK	7,992	72	0	24
*DL3KWR	7,590	61	0	27
DG2BAR	7,350	69	0	25
*DL8KFO	7,100	64	0	25
*DK4YU	6,216	59	0	24
*DL6MFK	5,824	46	0	26
*DL8AMB	5,746	46	0	26
*DL1ALN	5,535	39	1	26
*DL7VRG	4,960	49	0	20
*DL5ALW	3,780	34	0	21
*DL4HCF	3,400	40	0	20
*DK08M	2,772	48	0	14
*DL2AWA	2,282	38	0	14
*DK0MN	1,824	30	0	16
*KR9TF	1,638	20	0	18
*DF3CE	1,305	18	0	15
*DH4GB	1,288	22	0	14
*DK1AR	1,068	19	0	12
*DD5MA	1,014	18	0	13
*DH8MS	585	13	0	9
*DB3LO	558	13	0	9
*DC1UH	414	11	0	9
*DL2VN	308	10	0	7
*DK7MCX	18	3	0	2
Greece				
*SV1CEI	4,720	46	0	20
Guernsey				
GU4YOX	210,800	533	26	42
Hungary				
HG60	202,455	733	3	52
*HABAT	125,001	588	0	43
*HAB5KKC	115,743	570	0	41
*HAR9C	100,980	461	1	43
*HA3PV	48,405	285	0	35
*HAM2N	31,744	208	0	32
*HABAR	27,272	203	0	28
*HASYE	14,964	108	0	29
Iceland				
TF3SG	93,043	288	11	48
*TF3Y	2,074	24	1	16
Ireland				
E15KG	41,106	210	1	38
*E18KW	60	4	0	3
Isle of Man				
MD2C	504,620	922	38	54
Italy				
ISMXQ	149,362	714	1	42
*IV9EAD	127,488	544	1	47
IK4AUJ	121,636	513	3	44
IW3FVZ	64,296	352	0	38
*I4IKW	63,000	255	1	49
*IZ1ANU	50,403	190	0	48
*IN3MNS	39,372	246	0	34
*IY3BCA	29,532	146	1	45
*I0YQV	27,778	131	0	43
IZ0KBR	26,829	189	1	32
IK2A8B	26,598	172	0	33
IK2A0O	24,486	153	0	33
IZ2BVC	21,417	133	0	33
IK6QON	20,126	148	0	29
*IZB8FV	16,470	124	0	27
*I7PHH	13,910	112	0	26
*IY3KRW	12,328	108	0	23
*I6FDJ	12,328	108	0	23
*IK5ZUI	11,658	89	0	29
*IK0ISD	6,342	67	0	21
*K1INEG	5,984	61	0	22
*IK0VPP	4,540	49	0	20
*IK2SYK	2,610	39	0	15
*I1C1BG	1,452	29	0	12
*IW20BX	1,111	25	0	11
*IK2JKW	900	20	0	9
*IU4JIC	750	15	0	10
*I4JEE	737	13	0	11
IW5DPF	360	8	0	8
*IZ2C5X	100	5	0	4
*I2CFRM	60	3	0	3
Latvia				
YL3FT	597,368	1245	21	68
*YL5W	153,604	698	0	44
YL2EM	131,516	526	0	49
YL3CW	111,584	490	2	42
YL2EA	52,332	244	1	41
*YL2JL	99,080	488	0	40
YL2PP	36,077	155	1	42
YL2JI	31,722	187	0	34
*YL2NK	27,160	152	1	34
YL2DZ	18,981	144	1	26
*YL3JD	13,416	101	0	26
Lithuania				
*LY4L	499,842	1196	17	62
LY4AT	459,576	1243	11	61
*LY9A	226,450	903	2	48
LY7L	212,102	663	8	54
*LY2MM	173,700	773	1	44
LY2OM	115,538	571	0	41
LY6O	108,200	431	2	48
LY2JL	99,080	488	0	40
*LY2N	17,496	141	0	27
*LY3QN	4,883	52	0	19
Luxembourg				
*LX1NO	212,784	788	13	39
Montenegro				
404T	262,845	886	9	50
Netherlands				
*PE2JMR	65,228	278	4	42
*PAOCT	64,047	355	0	37
*PAOTCA	52,600	197	11	39
*PA6MIR	16,140	110	0	30
*PAORBA	3,895	41	0	19
North Macedonia				
*Z35F	235,455	832	2	53
Northern Ireland				
M10BPB	71,921	247	13	40
Norway				
LN6W	811,405	1441	39	58

LB6GG	296,856	931	9	53
LA7GIA	221,697	659	17	46
*LB4UJ	176,228	669	4	48
LA0CX	86,200	435	0	29
*LA7SI	7,200	60	0	24
Poland				
SP3HLM	715,716	1426	28	66
SP2LNV	462,756	1050	21	63
*SQ3O	286,578	940	6	55
SO7U	214,555	777	5	50
*SP2EG	193,914	631	5	54
*SP9W	189,414	746	0	51
SO3WV	184,851	649	2	55
*SP9DLY	129,203	571	1	46
*SP6GCU	128,250	572	2	43
SN2N	121,528	570	1	43
SP3VT	116,128	622	1	37
SP2XJ	113,386	466	4	45
*SQ6ABC	109,164	507	3	41
*SP6LUV	64,998	284	2	44
*SP6A	62,360	321	0	40
*SQ9ZAX	47,956	250	0	38
*SP3OL	46,068	218	0	44
*SP3JUN	44,299	302	0	31
*SP3AMO	40,716	237	0	36
*SP9DTE	40,589	228	0	37
SP9SDR	36,684	204	0	36
*SP8K	31,450	174	1	36
*SP8DXZ	31,426	168	0	38
*SP2V	17,680	104	0	34
*SQ2EEQ	16,325	139	0	25
*SP9GJK	16,200	119	0	27
SP9GJ	14,688	94	2	27
SP9MRO	14,392	104	0	27
*SQ5JUP	9,246	87	1	23
*SP5BYC	8,799	85	0	21
*SP9CTW	7,992	47	0	37
SP2FEU	957	16	1	10
*SP9KUP	890	19	0	10
Portugal				
CR6K	525,350	899	39	56
*CT1HIX	5,566	47	0	23
*CR5BWW	225	9	0	5
*CT7AOL	15	3	0	1
Romania				
YO5AJR	209,916	851	1	48
YO6A	78,795	845	0	45
YO9RIJ	73,476	374	1	38
*YO2CEQ	55,692	312	0	36
*YO5DAS	46,476	259	0	36
*YO4RST	40,400	201	0	40
*YO6HSU	17,577	111	0	31
*YO6BDQ	11,178	98	0	23
*YO5BK	10,584	100	0	21
*YO7CKQ	4,767	46	0	21
*YO7MPI	3,834	45	0	18
*YO2URS	1,456	23	0	13
*YO2A0O	990	12	0	11
*YO2LDU	150	6	0	5
Scotland				
GM3X	749,673	1425	33	60
*GM3YEH	100,528	299	20	41
GM3WOJ	61,355	346	0	35
Serbia				
YT10A	533,377	1099	27	62
*YT8A	513,650	1082	20	70
YT3B	38,526	96	5	56
*YT5W	117,450	520	2	43
*YT5M	116,130	547	1	41
*YT1YV	52,136	276	0	38
Sicily				
IT8ZZO	198,468	494	14	60
IT9JGH	34,749	175	0	39
IT9VJO	33,864	199	0	34
Slovak Republic				
OM2XW	329,668	829	23	50
*OM2XA	318,222	859	15	56
*OM7RU	312,898	985	6	57
*OM3ZVA	206,442	760	2	52
OM3CPF	177,250	706	8	47
OM1II	170,819	645	4	49
OM6AL	145,288	665	0	44
*OM7ZM	120,198	516	1	45
*OM8FR	120,014	530	1	45
*OM2DT	110,268	387	2	52
*OM5WTT	95,976	453	0	43
*OM7AG	92,416	393	0	38
*OM3ZU	75,240	406	0	38
*OM1DR	72,000	367	0	40
*OM7PY	53,703	283	0	39
*OM4DU	44,948	274	0	34
*OM3CM	39,390	208	0	39
*OM3CDN	13,512	118	0	24
*OM3PV	12,540	89	0	30
*OM7AT	10,281	93	0	23
*OM3ZAH	2,057	26	0	17
Slovenia				
S53A	757,700	1370	35	65
*S59A	314,743	865	11	60
S59AA	179,723	692	0	53
*S57MA	146,520	519	3	58
*S52OSAFE	120,162	592	0	42
*S52GO	43,512	243	0	37
*S58RU	39,886	221	1	36
*S55KA	15,345	101	0	31
*S57WV	5,456	52	0	22
*S51NM	3,384	40	0	18
Spain				
EA5C	117,873	357	4	59
EA4KD	59,102	154	23	35
*EA1JA	31,218	141	0	43
*EC3A	24,123	149	0	33
*EA5RV2A	19,788	119	0	34
EA3BS	4,680	36	0	24
Sweden				
SJ2W	626,322	1252	24	70
SM2U	488,670	1201	16	62
SM2CEW	212,836	801	6	46
SM6CPY	154,665	469	13	50
SM5AOP	97,216	385	4	45
*SM6LW	67,452	301	3	41
*SM6LD	57,876	286	2	40
SM5Q	54,051	244	2	41

*SE6K	34,386	214	0	33
*SM5ACQ	32,208	198	0	33
*SE8U	27,000	128	3	37
*SM5DXR	25,451	167	0	31
*SM6XHM	19,440	147	0	27
SB3W	16,860	107	0	20
*7S60BO	7,946	56	0	29
*SM6OPM	7,150	54	0	26
*SM7ATL	5,148	62	0	18
*SM5ENX	1,105	14	2	11
SM4IED	225	12	0	3
Switzerland				
HB9AGA	83,475	371	4	41
*HB9CPS	75,012	392	0	38
*HB9DDZ	34,300	137	0	49
*HB9HDV	9,744	74	0	28
*HB9HQX	8,094	87	0	19
HB9EYF	2,320	29	0	16
Ukraine				
UX2X	850,656	1616	20	76
US6EX	372,216	934	10	68
*UZ5UA	224,672	822	2	54
EO5OFF	167,056	644	4	49
*US1VM	160,701	648	1	50
US1032	165,032	629	2	44
UT5VX	157,927	668	0	49
*UR8GZ	146,015	568	1	52
*UR5KO	142,647	560	3	48
*UR5FIL	141,408	614	0	28
*UR7M	115,670	577	0	43
UR8GX	103,638	467	0	46
*UT4EK	95,088	479	2	52
US3J	86,100	444	0	40
*UY2UQ	82,103	476	0	37
*UR7EC	72,114	358	0	42
UR78N	69,678	342	0	42
*UR5ZTH	68,544	399	1	35
*UX2MF	63,837	311	0	41
*UR5ELV	61,744	391	0	37
UR1W1A	55,061	215	0	47
UR6IM	53,084	215	3	43
*UR1HR	48,048	215	0	44
*UY7RR	44,672	298	0	44
*UX7Q	42,661	227	0	37
*UT2QQ	42,480	253	0	36
*UT3UFI	41,726	285	0	31
*UR5UA	38,193	282	0	29
UWSU	36,927	232	0	33

YO3JW	17,108	122	0	28
YO4AAC	9,380	98	0	20
Y03GNF	6,354	71	0	18
Serbia				
YU1NR	29,648	180	0	34
YU1LM	24,940	180	0	29
Slovak Republic				
OM3CUG	81,840	377	0	44
OM3VZ	19,936	146	0	28
OM3TLE	7,749	78	0	21
Slovenia				
S57M	214,380	797	2	52
S53AR	140,832	530	1	53
S51Z	102,285	463	0	45
S51RU	16,926	140	0	26
Spain				
EA7Q	28,014	129	1	41
EA2AZ	26,220	139	2	36
EA5CL	9,234	69	2	25
EA2CAR	770	16	0	10
EA3F	140	7	0	4
EA1CM	69	7	0	3
Switzerland				
HB9AYZ	3,645	51	0	15
Ukraine				
UT1DX	124,752	529	1	47
US3EO	51,012	289	0	36
UX8IW	23,107	158	0	31
UX9Q	7,638	121	0	26
UX9U	10,120	90	0	23
UZ4U	7,104	37	0	37
US1IU	4,896	68	0	16
UX8IX	4,832	69	0	16
UV11W	1,968	37	0	12
Wales				
GW4W	15,260	109	0	28
OCEANIA				
Indonesia				
YC1CAR	16	0	0	2
YC1HPB	14	7	0	1
YB1KK	2	1	0	1
SOUTH AMERICA				
Brazil				
PU2USK	14	7	0	1
ASSISTED NORTH AMERICA				
UNITED STATES				
CONNECTICUT				
W1RM	129,574	616	47	27
W1CTN	114,191	554	51	26
*W1ARY	31,949	328	40	3
W1UK	25,536	153	40	17
N1MD	8,310	115	27	3
*K1C1ERO	7,644	111	26	2
MAINE				
K1A	84,575	182	36	39
K1VJ	24,581	223	43	4
K1ESE	22,442	186	44	5
MASSACHUSETTS				
A2ZW	489,157	1114	59	58
N2KW	36,540	861	56	52
*W01N	128,000	690	52	20
KK1W	124,335	593	53	28
K1RD	114,264	691	53	16
K1DJ	101,156	501	51	25
W1TX	77,220	480	50	15
KB1W	50,166	386	46	8
*K1XS	9,994	169	43	14
AK1MD	25,065	232	43	2
*W1ER	21,060	143	42	10
W1FV	15,840	87	26	18
NF1A	12,046	119	30	8
KT1I	11,560	143	32	2
*W1DYJ	10,848	140	29	3
W1JR	8,870	87	31	8
*K1NZ	8,890	97	30	5
*K1TH	7,657	104	30	1
*W1MI	3,456	45	31	1
NEW HAMPSHIRE				
K1RX	312,900	986	57	43
N1N1SS	60,957	410	48	25
NE1B	60,350	320	51	20
NF1O	59,735	369	51	14
*K1KA	49,471	335	49	12
WX1S	17,568	148	42	6
N9NC	4,862	35	12	14
*AE1T	2,919	59	21	0
*KAZKON	2,397	63	17	0
NE1HF	102	7	5	1
RHODE ISLAND				
*W1WBB	102,816	703	53	10
*KS1J	63,056	486	49	7
NB1U	56,840	269	45	19
VERMONT				
W1SJ	313,810	1180	60	35
AA1SU	60,027	524	49	2
*KE1VT	11,124	135	35	1
NEW JERSEY				
N2NT	553,150	1218	59	56
KE2D	297,840	966	58	44
N2BA	293,608	1019	54	44
W2MKM	184,172	875	56	26
N2SR	119,853	670	48	21
K2RET	72,450	311	42	33
AB2E	71,253	455	48	15
K2TW	61,020	496	46	8
WO2T	59,796	348	46	20
N2HM	51,520	324	50	14
K2CJ	293,624	247	45	23
WR2G	43,940	355	44	8
K3TS	43,719	314	54	5
*KA2K	33,345	330	42	3
N2XU	16,909	197	35	2

KZ2I	15,300	114	40	10
*W0ZY	14,516	161	36	2
N2VW	12,002	148	32	4
N2CC	11,163	121	32	4
*W2JAZ	6,120	78	33	1
*K2CSST	2,544	44	23	1
*N2MM	2,331	45	20	1
NEW YORK				
W2GDJ	218,300	717	58	42
N2CC	191,672	644	56	41
K2M	173,304	739	57	30
*AA2EQ	143,264	770	56	18
N2GC	135,382	581	53	29
N2RC	88,725	451	54	21
*N2ZZ	79,232	532	54	10
AA2GF	72,816	309	53	29
N2NI	68,940	448	47	13
*K9Y	66,275	525	51	4
WA2CP	63,640	447	49	11
K2QMF	60,907	220	43	34
K2EP	60,705	330	52	19
*WA2JQK	54,976	355	49	15
NM2O	51,852	391	50	8
*WA2MCR	33,516	300	45	4
N2SQW	32,436	252	46	7
*N1HT	17,016	175	43	4
AI2N	30,576	144	36	20
WB2WPM	26,488	280	42	2
K2MK	18,232	185	40	3
*W2VM	18,018	192	40	2
K2KQ	16,308	120	36	8
*K3CFQF	10,471	118	43	4
N1HT	10,011	137	31	1
N2KA	7,560	90	31	4
WA3AFS	6,854	40	35	11
*K1NY	5,771	80	27	2
*K2PAL	1,824	48	16	0
DELAWARE				
K9RS	188,780	570	56	49
NW3Y	127,864	654	56	23
DISTRICT OF COLUMBIA				
KE3X	14,208	204	31	1
MARYLAND				
K3MM	540,817	1278	60	59
K3RA	386,683	1039	59	54
NA3M	316,160	865	57	47
N3QE	300,400	990	59	41
AB3CV	234,000	778	58	46
N3OC	230,398	842	59	39
W3LL	198,975	719	59	46
*N3ST	165,396	778	54	30
K3AU	154,164	713	55	32
K3TN	121,121	581	55	22
W2CDO	120,012	695	57	16
W3EKT	85,004	383	51	28
*W3UL	77,226	534	50	11
AA3S	71,095	519	49	10
W3CN	51,507	376	51	14
W3GV	49,088	324	45	14
K3UJX	48,896	301	55	14
K3ZU	42,978	100	53	34
K1BZ	42,862	317	52	6
W3OU	41,832	263	49	14
W3JX	39,032	293	46	10
N3AM	36,200	319	46	4
WB2ZAB	31,800	164	41	19
W3CM	20,355	197	44	5
*AB3SX	16,626	225	34	0
W3NRF	12,987	136	34	5
N3FJP	5,539	82	28	1
*N3YUG	1,848	39	22	0
*K3MAV	196	11	7	0
PENNSYLVANIA				
KF3B	586,898	1272	60	58
AA3B	554,804	1279	59	54
NN3Q	401,976	1132	59	49
WB3FJ	368,298	877	59	52
N3RS	335,980	981	59	48
N3RD	296,537	970	57	46
K3CT	278,053	973	44	44
K3WW	271,199	1022	59	44
NY3A	253,048	805	53	41
WW3S	198,753	741	58	39
NY3B	167,496	777	56	28
K3WJV	165,564	752	57	24
WY3A	137,855	692	54	25
*N3JK	134,057	677	53	27
NB3I	130,305	584	54	31
K3MD	129,944	731	53	21
W3MA	122,889	777	57	12
NJ3I	110,390	560	53	30
WB3F	88,968	650	53	13
K3PP	87,375	450	53	22
*W3KB	84,663	499	51	18
W3FIZ	83,504	509	52	16
AG3I	74,306	607	48	5
N3ST	58,149	298	51	20
K3SW	54,912	320	52	14
*NF3R	37,828	332	44	5
KU2C	37,762	136	50	29
K3OO	32,334	167	24	27
KB3Z	29,835	157	46	19
K3ATO	28,308	301	42	0
NE3EN	26,730	183	46	9
KD3TB	26,362	230	44	5
N3ZA	21,408	166	41	7
WA3AAN	18,720	233	34	2
N3RJ	17,901	197	36	3
N3FCP	17,100	140	34	2
*K3WGR	10,868	95	8	9
*K3FH	10,792	124	36	2
WOBR	10,146	110	35	3
K6ND	1,872	32	21	3
KA3D	1,120	25	20	0

KM4HI	70,153	358	53	20
K4OD	51,015	391	47	10
*K3TW	39,296	223	45	19
*KT3T	32,117	233	49	19
W4CU	31,056	292	43	5
W1BQ	16,128	161	34	8
KOAL	10,890	98	38	7
*W4DAS	10,027	119	31	6
*AA4NP	5,452	85	26	3
*W4EE	5,276	18	9	3
K2DM	5,76	18	9	3
*W2XYZ	222	17	5	1
GEORGIA				
N4RJ	214,766	550	56	50
KU8E	141,400	809	53	33
AA5JF	87,172	610	50	12
NE4IE	69,960	513	50	10
W5JR	52,140	301	52	14
W4QF	49,070	276	54	16
W4XO	32,780	325	44	3
K4ZRL	23,600	96	36	23
*K4EP	20,835	215	44	1
*AA4LR	11,628	148	33	3
*NN9DD	4,959	72	25	4
KENTUCKY				
K4WW	92,365	613	54	11
ND4Y	87,300	440	51	24
*K4WYA	49,706	372	52	6
N4QS	24,200	200	44	6
*W4PF	21,120	193	45	3
*AA4WW	16,262	152	43	4
NORTH CAROLINA				
N1LN	548,228	1450	59	55
K2AV	583,120	1375	60	52
K8AC	220,311	908	58	33
WJ2D	186,004	596	57	41
K5EK	143,225	680	56	29
N4AJ	129,944	700	52	22
AD8J	85,410	437	52	21
K4HA	53,820	319	49	16
K7BV	49,260	347	50	10
*W4TMO	40,341	333	43	6
K4KZ	31,550	275	47	3
*AA4GR	13,494	142	33	8
N4TL	11,726	131	39	2
W3GO	11,458	145	30	4
N4RF	8,288	125	32	0
N4DE	3,534	37	26	5
K2SD	570	16	15	0
SOUTH CAROLINA				
N4UE	230,670	829	59	40
W4GE	170,973	506	56	43
K2SX	166,415	779	53	30
*N9HEE	157,122	701	56	30
N4QO	152,690	522	58	42
K4YL	65,550	303	53	22
K3DNE	23,250	200	44	6
N4EFS	660	15	12	3
KD4S	590	10	4	6
TENNESSEE				
AD4EB	353,803	1243	58	43
K4RO	221,600	738	58	42
AA4DD	129,584	503	58	31
KEOL	123,525	692	56	19
N4QO	105,152	751	54	8
AF4T	65,331	475	53	8
*W4ARO	50,917	382	52	7
N4AR	34,060	297	48	14
W6UB	30,487	323	42	11
*WF7T	25,970	193	42	11
*W9SN	16,206	192	37	0
*N1OKL	96	5	6	

*VE3MV	82,222	356	47	2
*VE3GFN	75,684	313	48	3
*VA3MW	69,440	226	47	15
*VE3J	28,520	152	37	2
VE3CV	17,886	102	30	7
ALBERTA				
VE6WZ	407,148	1119	59	15
VE6S	257,584	776	57	11
VE6KC	36,895	169	44	3
VE6TL	25,088	105	45	4
BRITISH COLUMBIA				
VE7NY	119,232	452	48	6
*VE7KW	60,384	260	45	3
VA7DX	45,780	228	39	3
VE7CV	12,383	91	27	2
VE7IO	11,388	96	26	0
VE7BV	9,744	75	27	1
*VA7UI	2,821	47	12	1

NORTH AMERICA

Belize				
*V31MA	131,400	285	40	32
*V31HE	43,515	194	39	6
Dominican Republic				
*HI8LT	188,625	470	47	28
*HI9K	16,974	78	29	12
Greenland				
OX3LX	10,260	38	0	27
Mexico				
XE2X	1,168,875	1527	59	66
*XE2B	2,466	25	14	4
*XE2OK	711	17	8	1
Puerto Rico				
NP4Z	29,532	109	28	18
US Virgin Islands				
*KP2DX	4,896	39	17	7

AFRICA

Canary Islands				
ED8W	1,127,168	1010	46	66
Madeira Islands				
CQ3J	360,942	422	34	52
Mail				
TZ4AM	7,800	39	0	20

ASIA

Asiatic Russia				
R8TT	809,700	1141	1	74
R9CW	622,380	1027	0	66
R8WF	514,538	874	1	61
R9SA	470,208	739	0	62
UA9BA	340,704	572	1	62
UA9MA	217,724	466	0	53
R0SR	198,048	503	48	48
*UA9W	185,426	429	0	46
RT9S	177,584	382	0	51
RT9A	163,920	367	0	48
RAQAM	154,020	354	0	51
RA9AA	120,600	321	0	40
RM0F	108,090	348	13	32
RT0F	106,628	370	11	35
RM9I	91,184	235	0	41
UA9PM	80,864	241	0	38
UA9OC	71,505	236	0	35
*UI8C	55,825	211	0	29
*UA9AX	40,170	158	0	30
*RA9MX	32,790	135	0	30
*UA9R	27,016	140	0	22
*RU9AC	26,607	152	0	21
*RM8W	15,479	75	0	23
UAOACC	12,977	90	0	19
*RC9A	11,862	77	0	18
*RD0A	11,820	73	0	20
RO9O	10,870	49	0	22
*RC0L	10,820	206	0	10
*RM9J	4,290	58	0	11
RA0LQ	2,057	32	0	11
*RZ0L	1,775	74	0	5
*RU9I	1,566	47	0	6
*UA0SE	22	4	0	2
Asiatic Turkey				
*TA9CN	1,680	14	0	12
*TA9E	420	7	0	6
China				
BA5CW	32,890	223	0	26
BG6GQE	8,876	127	0	14
BA7NO	7,524	73	0	19
*BD4SS	3,160	67	0	10
BG5TO	2,440	69	0	10
BG9XD	2,009	64	0	7
BD4SX	1,710	38	0	10
*BH4SCF	735	36	0	5
*BH4TVU	512	31	0	4
*BH4AYG	340	16	0	5
BG3GRU	294	11	0	6
BG9XGM	24	6	0	2
Cyprus				
P3X	1,190,871	1223	33	66
*P3AA	510,090	743	10	60
C4W	58,188	153	0	39
Hong Kong				
*VR2CC	290	10	0	5
*VR2GP	78	6	0	3
Israel				
*4Z4AK	27,792	80	0	36
4X1IM	11,580	62	0	20

JN7FAH	9,963	47	7	20
JA0OPW	9,702	93	6	16
JH0GHW	9,585	43	10	17
JO7KMB	9,342	129	3	15
*JF3IPR	8,432	140	6	11
JM4WUZ	8,340	109	4	16
JA1ILA	8,040	40	7	17
JA5BZL	7,866	35	7	16
JA4CZM	7,258	85	1	18
JH4CPC	7,140	44	0	20
JH4UTP	5,317	124	1	12
JR1BAX	5,137	82	6	13
*JR2ALA	4,976	74	3	13
JF7PHE	4,433	85	2	11
JH9DRL	4,251	86	2	11
JH0EQN	2,805	29	2	13
*JH0MUC	2,466	94	1	8
*JF1RYU	2,431	28	0	13
JH1DXC	2,040	43	0	10
JH4WHS	1,912	83	0	7
JAZAXB	1,788	24	1	11
JH9FCP	1,614	100	0	6
JA0FVU	1,220	21	0	10
JY7GYP	1,200	12	5	7
*JQ1EPD	880	14	2	6
*JF1JGU	708	35	3	3
*JA8RWU	492	22	0	4
JQ4CFV	360	21	0	5
*JE4KOH	294	6	0	7
*JA7ZP	288	15	0	6
JA2FSM	276	21	0	4
JH1RFM	275	8	0	5
*8J1TCALL	232	55	0	2
JH1BXS	220	10	0	7
*JH0JUU	118	28	0	2
*JL3DOX	26	5	0	2
*JA4MRL	8	4	0	1
*JH1WOY	6	3	0	1
*JJ2QXI	6	3	0	1

Kazakhstan				
UP5B	36,618	145	0	31
UN7LZ	12,206	94	0	17
*UN4PD	8,816	66	0	16
Qatar				
A71YW	16,510	66	0	26
A71EM	5,500	30	0	20
Republic of Korea				
DS5DNO	8,801	134	0	13
*HL3AMO	2,064	55	2	6
Saudi Arabia				
HZ7C	229,500	470	2	48
Thailand				
*HS8HEX	616	12	0	8
E21EIC	342	8	0	6

EUROPE

Austria				
OE2S	483,300	995	23	67
*OE5TXF	287,100	939	3	57
OE2LGM	218,592	627	12	54
*OE8TDE	215,644	729	2	56
OE1TKW	197,340	634	4	56
OE6NMD	169,547	632	5	52
OE3KAB	143,046	519	2	52
OE5CSP	132,447	495	1	52
OE4EIE	56,430	244	0	45
*OE3GRJ	6,600	55	0	24
Azores				
CU2DX	56,448	220	8	41
Balearic Islands				
*EA6ET	61,896	170	13	51
Belarus				
EW8R	300,950	896	7	58
EU9A	286,780	740	11	65
EW1IM	295,858	998	1	57
EU9S	195,993	742	0	51
*EU2EU	157,437	626	9	46
EU1KY	148,672	441	2	62
*EU8R	128,011	581	0	43
EU1A	112,423	348	6	55
*EU6RO	109,252	495	0	44
*EU4T	57,645	251	0	45
*EU1ST	18,720	162	0	24
Belgium				
OT4A	692,586	1269	35	63
OR2M	644,028	1121	31	71
OR3A	578,382	1146	27	67
ON4WW	441,077	850	28	63
OQ5M	143,262	401	19	44
*ON4TTT	132,611	421	8	53
*ON4CT	52,097	151	11	48
*ON5JT	38,016	243	0	32
Bosnia-Herzegovina				
*E74R	333,201	935	10	59
*E74UK	189,624	645	0	52
*E77D	79,069	430	0	37
*E78T	34,620	236	0	30
Bulgaria				
*L2ZJE	305,214	716	21	57
LZ3ZZ	189,157	700	1	52
LZ5F	149,450	586	0	50
LZ1ZF	147,105	637	0	50
LZ6Y	36,512	228	0	32
LZ6Y	34,605	137	5	40
LZ3FN	29,696	70	6	58
*LZ2ZG	21,504	101	0	42
LZ4TX	96	6	0	4
Croatia				
9A4M	1,081,899	1603	39	78
9A5Y	1,075,534	1705	33	80
9A5X	1,039,472	1640	36	76
9A5M	596,160	1226	24	66
9A4DU	414,540	1123	9	61
*9A7T	252,456	727	10	57
*9A3B	227,268	757	2	57
9A5AE	192,394	606	7	54
9A7R	191,052	649	5	53
*9A2NO	60,564	241	0	49
*9A2R	19,800	113	0	36
*9A2EA	540	8	1	8

Czech Republic				
OK3C	1,128,476	1748	40	76
OK1CF	971,017	1538	37	72
OK1DOL	803,400	1262	10	66
*OK8Y	443,004	1162	13	60
*OL9R	440,839	1250	11	63
OK1A	386,625	1004	18	57
*OK2BFN	371,756	1062	10	61
OL6D	370,740	1002	17	57
*OK2ZV	310,912	989	6	58
OK1VD	290,752	737	12	65
*OK1W	285,411	718	5	56
OK5ET	254,450	716	10	60
*OL8R	245,390	952	2	51
OK1TN	232,222	681	10	57
OK1PI	215,775	679	12	51
*OK1ATP	214,795	473	18	67
*OK2VU	187,002	694	2	52
*OK1FPS	181,764	655	2	52
OK8AW	163,557	658	4	47
*OL5Y	146,736	633	1	47
*OK1FGD	143,949	782	1	38
*OK1FMX	125,796	592	1	43
OK4X	119,652	473	3	49
OK3X	106,288	384	5	51
*OK1AY	99,603	401	2	49
*OK1DW	92,555	410	2	49
*OK6DJ	83,115	390	0	45
*OK1DUG	77,859	401	0	41
*OK1DPU	72,884	398	1	37
*OK2DM	55,594	315	0	38
*OK1YM	55,245	239	0	45
*OK5OK	51,110	284	0	38
OK2KJ	48,410	211	0	44
OK1TC	34,965	207	0	37
*OK1DLX	34,122	145	1	46
*OL6B	33,264	216	0	33
*OK1CSS	31,788	188	0	36
*OK1BLU	28,356	180	0	34
*OK1SI	17,361	140	0	27
*OK3DM	2,184	33	0	14

Denmark				
OZ1IKY	576,640	1256	23	62
OZ0B	544,620	1185	22	65
OZ3SM	244,142	811	7	52
*OZ1AAR	195,195	895	8	47
OZ8SV	164,989	616	1	52
*OZ2TF	93,015	243	0	44
*OZ1HX	26,112	96	0	51
OZ0J	25,164	88	1	53
*OZ2ABI	23,042	108	1	40
OZ8ABA	12,300	46	0	41
*OZ6CM	420	8	0	7
England				
G5W	1,048,080	1539	45	75
G4FAL	674,959	1344	39	74
M3D	608,736	1155	34	62
M6O	531,148	875	37	70
G3P	461,564	923	32	60
G4AMT	432,684	823	41	61
G4P	365,600	659	18	62
G0BNN	353,000	599	36	64
G0MTN	259,200	664	18	57
G30LB	227,979	549	25	48
*G4RKG	211,208	600	15	53
M7V	180,804	422	20	58
*M5B	177,536	442	19	57
*G5C	167,262	541	7	54
*G3PRL	156,871	284	0	43
*M0RLE	122,108	499	6	46
M4J	112,950	458	3	47
*G4DBW	100,144	460	0	44
*G8AJM	80,730	372	0	45
G4DXJ	58,653	189	12	45
G3PFP	57,035	163		

SV2BXA	120,257	443	0	53
SV8BHN	55,937	167	1	60
SV1ABB	5,460	46	0	21
SV1EFG	4,968	0	21	
SV7BVM	4,028	42	0	19
SV1PMQ	3,564	43	0	18
SV2KFL	1,742	28	0	13
SV8PMM	814	16	0	11
Hungary				
HA5JL	961,482	1539	36	75
HG2FR	854,609	1448	34	73
HG3N	833,544	1429	35	73
HA5PP	642,096	1338	23	68
HA8BE	580,280	1245	18	71
*HG5A	513,128	1127	20	68
HA7I	510,800	1232	14	66
HA8BT	471,418	1079	17	65
*HA8DX	430,887	972	24	59
HA7J	275,220	898	6	54
*HA7MF	243,600	835	4	54
HA7RY	197,964	724	1	53
HA8LNN	169,707	483	14	55
*HA8NL	165,518	593	2	55
*HA8PJ	169,364	593	1	55
HA8VU	61,938	180	7	55
*HA7VK	23,522	124	0	38
*HA2VR	378	9	0	9
Iceland				
TF1AM	6,000	46	2	23
Ireland				
EI2CN	707,737	1094	37	72
EI5KF	542,380	1018	34	60
EI2JD	383,160	710	33	60
EI6JK	227,916	522	22	56
Italy				
IQ2CJ	916,882	1490	40	73
IK2QFR	799,076	1378	70	77
IR2D	471,744	1171	18	60
*IK2CLB	434,478	955	21	66
I2WJL	379,604	844	20	66
IK3VUU	359,600	881	19	61
I2SVA	337,825	917	16	57
IK0YXB	202,876	521	14	61
I23SQW	193,610	583	16	61
*IK4DCX	191,219	656	3	56
I2IF2	175,896	643	1	55
I1JTQ	168,128	512	9	55
I3VJW	155,846	524	6	52
I24BOY	155,428	518	5	56
IV3JCC	152,130	559	3	52
IK5TBC	151,791	537	1	56
*IV3FFX	137,287	600	0	47
I24ZVB	135,975	569	0	49
*IV3VW	112,992	484	1	47
IK1PMR	112,847	470	4	45
I4U1GSC	101,661	425	7	40
IK0YVV	100,936	466	0	44
IV3AZV	88,886	443	0	41
IK2ANI	88,650	343	4	46
*IK6BAK	84,612	401	0	44
*I23KKE	80,797	385	1	42
*IV3CYT	72,900	334	1	44
*IK3SWB	72,432	178	16	56
I28DVB	69,496	248	3	53
IK0YUT	57,825	260	0	43
I25BEI	55,964	196	4	49
*I3FDZ	49,420	296	2	35
I1NVU	39,396	158	0	49
*IW2FUT	35,972	219	0	34
*I28GCB	35,013	222	0	33
*IK8UND	34,749	221	0	33
I3FIY	31,558	212	0	31
*IK6VJ	18,228	117	0	31
*IK7LXM	13,334	92	0	34
IC8POF	14,070	75	0	35
I7CSB	13,608	74	1	35
IK2XYI	4,995	34	3	24
I22DLV	4,725	39	0	25
*IK2YCG	2,880	27	0	20
IW1QIF	252	10	0	6
Latvia				
YL2SM	778,128	1337	25	79
YL7X	715,350	1398	24	71
YL2SW	485,604	1100	11	73
YL2ZVW	478,740	1163	11	68
YL1ZF	471,706	1095	6	67
*YL1ZF	329,814	1091	1	67
YL7A	301,372	1003	2	57
YL2BJ	271,164	879	9	50
*YL3GAZ	204,215	725	2	53
YL2AO	174,876	573	5	58
YL2KO	148,975	483	1	58
Lithuania				
LY4A	1,138,700	1704	35	83
LY7Z	1,081,410	1717	30	83
LY7M	976,250	1592	29	81
LY5W	814,077	1540	25	74
*LY4ZZ	467,298	1164	12	66
YL2BAW	377,040	883	15	65
YL3BN	374,625	961	11	64
YL3B	364,656	990	10	61
*YL2TS	320,229	1008	4	59
LY5R	310,912	954	4	60
LY2K	280,269	968	1	56
*LY2BKT	260,718	918	1	56
*LY5I	260,505	811	6	57
*LY2J	253,593	880	3	54
YL2OU	207,252	728	1	56
*LY5AX	145,774	693	1	41
LY2CX	131,166	492	4	50
*LY3AB	109,516	497	0	44
LY2SA	108,720	354	5	55
*LY5XX	104,158	564	0	38
LY2AX	74,880	286	2	50
*LY1CT	57,672	335	0	36
*LYQNAS	48,780	278	0	36
*LY4Z	5,544	73	0	18
Luxembourg				
LX1ER	80,451	233	4	59
Moldova				
*ER3DX	182,790	651	3	51
Netherlands				
PA9M	693,702	1227	36	66
PA5KT	467,456	828	28	60

PA4WM	433,320	851	27	65
*PC3T	415,449	893	18	63
*PA4M	381,857	804	15	62
PA4M	280,236	745	15	57
PA2A	272,619	764	18	61
*PC5Q	242,406	705	11	56
PA3C	222,768	423	26	65
PA3AAV	215,968	606	13	55
PA5WT	108,765	494	1	44
PA9CC	97,461	380	0	51
PA7LV	88,470	394	2	43
*PA3TV	69,640	361	1	43
*PA1CW	66,264	301	1	43
PF5X	65,296	299	1	43
*PAOVAJ	54,171	287	0	39
*PA7KY	49,896	228	2	42
PA5TT	42,400	159	10	40
*PHOAS	32,946	178	0	38
PA7Z	26,748	153	0	36
PA4Y	24,769	88	12	35
*PA3OES	17,310	120	0	30
*PAOJED	15,616	103	0	32
*PA8KW	14,784	95	1	31
*PE4BAS	12,768	91	0	28
*PA4EL	10,701	47	7	34
*PA3EYV	10,375	86	0	25
PA3AM	6,946	57	2	33
*PH7A	4,746	47	0	21
*PAOINA	4,662	48	0	21
*PA1BK	1,625	25	0	13
*PG2AA	282	10	0	6
North Macedonia				
*Z36W	9,100	83	0	22
*Z39A	1,222	20	0	13
Northern Ireland				
MI5K	23,691	77	3	50
Norway				
LA7THA	499,715	1100	20	65
LB5WB	335,355	809	20	59
LB6K	87,800	340	9	41
LA3WAA	39,178	203	0	38
LA5LJA	35,772	150	10	34
*LA3ZA	18,614	87	0	41
LC1T	18,216	97	0	36
LB2TB	8,381	55	1	28
*LA6XT	5,712	58	0	21
*LA6XI	2,431	31	0	17
Poland				
SN7Q	1,223,140	1854	37	78
SN1W	714,984	1424	26	67
SN2Z	639,002	1335	22	69
*SP2EWO	573,160	1165	26	66
SP4Z	571,825	1234	21	68
SN2M	544,900	968	30	70
*SN7O	478,478	1215	15	62
SP3GZU	440,480	1059	22	58
SP3JTS	429,000	939	17	51
SP1NY	405,075	1058	14	61
*SP6CK	276,185	848	7	58
SP1MGM	240,955	737	2	48
Z3OX	229,790	847	1	54
*SN5J	229,600	825	3	53
*SP5ELA	229,225	877	0	53
*SP9GFI	223,941	893	0	51
*SP7CF	215,784	799	3	51
*SP9JZT	197,334	693	3	54
SN3A	157,696	376	16	61
*SP5AT	152,076	332	2	52
*SP5TAS	148,940	546	2	53
*SP9FMP	131,924	516	2	50
*SP7JLH	130,707	564	3	44
*SP5EWH	128,908	501	1	51
SP3CYW	103,173	395	3	48
*SQ3R	103,005	465	0	45
SP4W	87,840	347	0	40
*SN4D	65,200	332	0	40
*SQ9NIS	56,717	269	0	43
*SQ9V	56,144	253	1	43
*SP9DNO	54,266	245	1	42
SP9RCL	50,950	196	2	48
SP4G	46,872	312	0	31
*SP9DKI	38,739	223	0	37
*SO7BIT	36,337	172	4	43
SP3PMA	30,816	121	0	48
*SP7CXA	25,488	99	0	48
*SP7TEX	22,112	140	0	32
*SP3CMX	20,680	94	2	38
*SQ9FLC	20,670	145	0	30
*SP5ELW	17,238	84	1	38
*SP5BBS	14,715	115	2	27
SO8N	12,264	52	0	42
*SP2WGB	10,230	69	1	29
*SQ8L	2,304	30	0	16
*SP5WAZ	950	22	0	10
SP9FOW	770	9	6	4
*SP5LXR	500	9	0	10
Portugal				
CT1GFK	43,888	159	0	52
*CT7AUP	37,280	182	1	39
Romania				
YO9HP	220,740	718	4	56
*YO5HO	202,288	786	1	50
*YO4RDW	154,944	634	0	48
YO7CW	139,104	601	1	45
*YO5AVN	112,455	502	0	45
*YO7SR	109,674	389	2	52
YO2GL	105,608	492	0	43
YO9AYN	97,853	387	1	48
*YO3FFI	90,652	357	2	42
*YO6FG	26,214	154	0	34
*YO7BGA	11,300	93	0	25
YO2OXD	7,308	51	0	29
*YO5OCZ	5,111	55	0	19
YO2MFC	1,260	14	1	13
Scotland				
GMAAFF	554,574	956	35	67
MM8I	518,604	1029	31	61
*MM1E	118,190	437	4	49
*GM3ZRT	57,552	227	9	39
*GM4OSS	4,290	41	1	21
*MM2T	3,096	35	0	18
Serbia				
*YT4T	407,786	958	18	64
YT7R	401,336	1143	12	56
YU7KW	384,948	1098	8	60
YTA9	213,750	538	12	63

*YU1LA	156,260	593	1	51
*YU1EW	64,600	322	3	37
*YU1ED	64,042	311	0	41
*YU1EM	43,928	218	0	44
*YU1ED	43,308	247	0	36
*YU1FG	8,883	66	0	27
Sicily				
IT9ESW	25,636	150	1	33
IT9SSI	15,004	93	0	31
IT9IJJ	7,350	58	0	25
Slovak Republic				
OM7M	1,440,875	1915	44	81
OM2Y	1,002,885	1617	33	78
OM0M	916,335	1576	28	71
OM3GI	746,976	1451	25	77
OM7JG	453,097	1040	18	65
OM4KW	440,912	1284	5	63
*OM7LW	298,388	960	3	58
*OM3IAG	193,776	565	10	56
*OM3CQ	118,096	548	0	44
OM8LA	59,112	336	0	36
*OM5UM	25,080	152	0	33
Slovenia				
S52AW	867,610	1477	33	73
S53O	833,414	1388	35	74
S56X	641,550	1333	25	66
S53XX	638,352	1200	30	69
S57Q	632,132	1291	24	68
S51YI	617,613	1259	25	68
S53X	474,093			

ASIA

Table listing countries and codes in Asia, including Asiatic Russia, Asiatic Turkey, China, Georgia, Israel, Japan, Kyrgyzstan, Austria, Belarus, Belgium, Bosnia-Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, England, Estonia, and others.

Table listing countries and codes in Europe, including European Russia, Finland, France, Germany, Hungary, Italy, Kaliningrad, Latvia, Lithuania, Moldova, Netherlands, Northern Ireland, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, and Wales.

Table listing countries and codes in Oceania, including Australia, New Zealand, and others.

Table listing countries and codes in North America, including Canada, the United States, and others.

Table listing countries and codes in South America, including Argentina, Brazil, Chile, Colombia, Ecuador, Peru, and others.

DL8LR	22,704	169	0	33
DJ95D	21,216	146	0	34
DM5SS	16,306	126	0	31
DL0AZ	16,068	122	0	31
DG1EAD	1,287	43	0	9
DL0FTG	1,188	30	0	11
DL4VAI	76	5	0	4
DJ4DN	51	4	0	3
Hungary				
HA1TI	22,589	150	0	31
HG8C	4,294	47	0	19
HG7J	4,294	46	0	19
HA5BA	1,547	25	0	13
Italy				
IK0XB	9,542	76	0	26
I24COW	4,774	50	0	22
Netherlands				
PA2TMS	1,886	25	0	14
Norway				
LB7ZG	1,001	20	0	11
Poland				
SO800	12,875	109	0	25
Romania				
YO8BSE	21,408	133	0	32
YO8WW	17,174	109	0	31
YO4AAC	128	7	0	4
Serbia				
YU8LAX	7,084	62	0	23
Slovenia				
S58MZ	22	4	0	2
Spain				
EF30	38,039	178	1	40
EA1CM	4	2	0	1
Ukraine				
UT1DX	6,594	64	0	21
UR5FO	4,872	49	0	21
UT0NB	4,389	40	0	21
UT4UBZ	2,896	37	0	16
UT5LD	2,825	37	0	15
UT2HC	2,499	28	0	17
UROFF	1,935	26	0	15
US0U	80	4	0	4

OCEANIA

Indonesia				
YC1HBP	22	11	0	1
YC1CAR	8	4	0	1
YC0RWL	2	1	0	1
YC0SSF	2	1	0	1
YC2YSW	2	1	0	1

ASSISTED NORTH AMERICA UNITED STATES

CONNECTICUT				
*WT2P	5,198	97	22	1
*W1ARY	5,129	101	23	0
*KC1ERO	1,470	40	15	0
*KA1VMG	390	21	10	0
MAINE				
*W1DYJ	3,154	74	19	0
MASSACHUSETTS				
WO1N	7,595	98	27	4
W1BNC	5,265	87	27	0
*N1DM	2,550	69	17	0
*W1ER	1,716	32	21	1
NEW HAMPSHIRE				
K1QX	83,600	503	45	8
NE1B	48,501	404	45	6
WA1Z	16,401	220	33	0
N9NC	3,068	45	24	2
VERMONT				
K11P	43,863	403	42	5
NEW JERSEY				
KE2D	50,064	454	42	6
N2HMM	43,218	448	37	5
K2RET	28,240	312	36	4
WO2T	20,880	236	37	3
WR2G	20,265	243	31	4
KA2K	18,410	238	34	1
AB2E	12,580	152	36	1
W20JB	11,830	149	34	1
K2ZJ	10,237	160	29	0
W2RD	4,525	80	25	0
*W2VQ	3,910	70	23	0
*W02Y	2,268	48	21	0
*KD2SGM	1,680	50	15	0
W2MKM	1,164	41	12	0
K2CJ	896	25	16	0
NEW YORK				
KN2M	92,194	658	52	10
N2ZX	73,272	398	50	21
KE1IH	46,260	460	40	5
WA2CP	30,659	315	40	3
WU2M	14,310	204	27	3
*AA2EQ	10,791	153	32	1
N2RC	9,744	152	27	1
*K2SI	9,703	143	31	0
W2GDJ	5,248	69	31	1
N2NXX	2,662	53	22	0
WA3AFS	2,356	50	19	0
WB2WPM	2,220	54	20	0
K4RLM	2,144	58	16	0
N2SQW	2,000	44	18	0
*KB2URI	451	19	11	0
NM2O	432	21	9	0
AI2N	189	9	0	0
DELAWARE				
AA1K	75,330	464	48	14
K9RS	39,950	354	45	5
NW5Y	19,228	222	34	4
MARYLAND				
AB3CV	84,510	694	47	7

W3LL	67,650	545	49	6
W3FOE	56,253	486	44	7
N3QE	35,711	388	38	3
*N3BT	28,837	364	34	9
K1RH	25,432	257	39	5
W3ICM	20,680	223	37	3
K3TN	13,536	160	35	1
K3AU	8,874	117	34	0
N3FJP	6,132	96	28	0
N3DUE	5,964	93	28	0
W33N	5,130	83	27	0
N3AM	4,950	87	25	0
W3UL	4,750	80	25	0
W3OU	4,347	81	23	0
K3ZU	1,206	22	15	3
PENNSYLVANIA				
NF3R	78,312	854	45	7
AB3AH	60,858	485	46	8
K3WJV	31,866	293	42	5
K3OO	31,108	298	39	5
NY3B	30,229	312	39	4
K3WVW	28,659	301	37	4
K3NM	25,242	258	38	4
K3BM	22,222	255	39	2
W3FIZ	19,810	252	32	3
K3FB	18,976	264	31	1
WY3A	18,564	206	35	4
N3AD	17,871	212	35	2
AA3B	15,470	197	34	1
K3RL	15,308	141	38	5
*N3AAA	14,781	167	38	1
N3RJ	12,903	167	33	0
AG3I	9,393	132	31	0
W0BR	8,340	127	30	0
N3ZA	7,990	100	32	2
KD3TB	6,351	102	29	0
K3TEF	4,250	73	25	0
W02C	3,500	55	28	0
NS3L	2,774	67	19	0
KAD3	1,224	30	17	0
WA3AAN	1,053	33	14	0
N3EEN	798	24	14	0
ALABAMA				
KK4X	6,536	60	39	4
*W4GL	2,323	49	23	0
K4WI	1,062	28	18	0
FLORIDA				
WX4G	45,486	290	44	19
N6AR	41,552	342	43	10
KM4HI	16,790	156	37	9
K5KK	12,726	127	35	1
NM2T	1,444	35	18	1
K4QD	1,368	35	18	0
GEORGIA				
NO9E	88,956	621	51	12
K4ELI	11,766	147	36	1
NE4EI	10,395	135	31	1
*K4VTE	3,796	70	25	1
KENTUCKY				
K4ISV	115,559	658	54	19
AJ4A	9,477	111	39	0
K4WV	4,760	76	28	0
N4QS	1,206	32	18	0
NORTH CAROLINA				
*KE4YOG	8,610	117	34	1
SOUTH CAROLINA				
NU4E	39,648	300	45	11
AA4V	30,804	253	43	8
W4GE	29,795	198	47	12
K3DNE	17,366	205	36	2
N4IQ	15,732	205	36	0
*N3HEE	8,976	116	32	0
*KM4RK	3,025	61	24	1
TENNESSEE				
KO4NX	99,025	702	54	7
KE0L	22,924	234	39	5
AA4DD	17,644	173	39	5
AF4T	14,547	173	39	0
VIRGINIA				
N4RV	119,816	764	59	15
WA1VN	36,850	504	43	7
NN3W	43,200	365	44	6
N3MK	23,966	219	40	2
W4NF	22,406	289	32	2
N4PD	17,934	186	38	4
WA4JUK	13,563	163	32	1
N3MN	7,412	97	33	1
N3JT	6,048	99	26	1
*K4FTO	5,746	100	26	0
K5VIP	3,256	65	22	0
NN4RB	2,646	57	21	0
W4VIC	2,033	52	19	0
*W4RPN	1,428	51	14	0
*WC4J	702	27	13	0
*KA4RRU	342	16	9	0
*N4JQ	60	6	5	0
LOUISIANA				
KD5JRY	30,581	251	46	7
KC5DI	1,444	35	18	1
MISSISSIPPI				
W2GS	9,078	120	34	0
KB5DJX	748	22	17	0
TEXAS				
W5KU	27,378	216	47	7
K5JK	12,505	142	38	3
K5PAR	12,060	116	42	3
WB0TEV	6,478	70	39	2
K5TIA	5,478	74	29	4
K5NA	4,686	62	32	4
CALIFORNIA				
W6Y1	28,254	247	44	7
N6RK	8,328	137	21	3
KI6RRN	7,310	100	34	0
W6GX	4,809	103	19	2
KG6AO	4,300	73	24	1
W6MOB	3,358	56	20	3
KF6I	1,710	43	17	1
K6MM	496	27	7	1
ARIZONA				
N6SS	8,307	76	33	6

N9NA	7,644	88	36	3
W7RH	1,680	39	20	0
NG7E	1,352	52	13	0
IDAHO				
*KA7T	10,450	120	37	1
NEVADA				
K2RD	16,704	198	34	2
*K7XC	10,906	124	35	3
W7NIK	4,221	92	20	1
WASHINGTON				
KK6ZM	65,934	394	45	9
W6OAT	2,793	51	18	3
MICHIGAN				
KG8CW	107,185	730	56	9
K2PM	46,368	423	47	1
K8BZ	31,556	310	45	1
W8MJ	9,280	127	30	2
OHIO				
W8GNM	46,200	425	45	5
*W8WTS	24,948	306	35	1
*KE6PX	19,434	219	41	0
*K4VJ	16,608	196	37	1
*K8BL	14,315	185	35	0
*AC8RJ	7,425	102	33	0
WB8E	6,913	101	31	0
NX8T	6,902	110	29	0
*W03X	1,406	34	19	0
*W8BDE	473	20	11	0
ILLINOIS				
AC9S	47,328	422	48	3
N2BJ	32,736	348	42	2
NR9Q	25,974	210	50	4
*N9FT	17,670	219	38	0
WA9KIA	6,619	100	39	0
*K9PG	1,368	33	19	0
INDIANA				
W9VW	82,228	598	53	8
K9NV	42,120	293	52	8
*KB9RDS	10,950	168	29	1
N9D	9,243	108	38	1
W9PA	8,840	106	39	1
AJ9C	3,300	63	25	0
WISCONSIN				
W9KQ	89,444	664	54	5
KA9FOX	33,443	283	51	2
K9TY	22,509	252	41	0
K9MU	7,840	100	35	0
K9MA	2,496	49	24	0
COLORADO				
*K0UK	16,514	159	43	3
IOWA				
W0GJ	110,837	827	56	5
AE0S	3,348	59	27	0
*N5KB	80	8	5	0
KANSAS				
K3PA	103,232	716	54	10
K0BJ	23,900	210	46	4
N9GB	14,835	161	42	1
AD0AB	4,988	80	29	0
K3OAB	3,248	52	28	0
MINNESOTA				
K0MD	59,400	489	53	2
K0YR	50,986	430	51	2
K0SIX	41,259	367	50	1
KB0EO	34,250	303	47	3
WA0MHJ	30,634	253	52	1
*N0HLZ	21,600	218	44	1
K10F	20,152	205	43	1
K4IU	17,472	183	40	2
*K0EA	15,918	169	40	2
K0RJW	15,523	164	43	0
W0OR	15,252	168	40	1
K0AD	11,818	142	37	1
*W0SEI	10,360	122	36	1
N0MK	6,064	103	36	0
*W0GAF	3,168	63	22	0
W0BN	3,000	55	24	0
*W0SHL	2,507	53	23	0
*N2RSC	1,780</			

Liechtenstein			
HBØWR	39,360	188	3 38
Lithuania			
LY4A	405,482	988	9 68
*LY2BAW	169,750	678	1 49
LY2OU	101,890	451	1 45
*LY2AZ	79,110	363	1 44
LY5R	61,213	307	1 40
LY2XW	47,027	257	1 36
LY3B	37,876	232	0 34
LY5O	32,900	200	0 35
*LY2BKT	30,528	203	0 32
*LY5XX	29,171	204	0 31
*LY5I	28,000	184	0 32
*LY5AX	26,939	185	0 31
LY7M	24,500	142	0 35
LY2CX	16,771	115	0 31
*LY2J	16,762	126	0 29
LY5YY	13,478	134	0 23
*LY2TS	9,400	85	0 25
LY2K	6,462	78	0 18
*LY2N	1,664	94	0 13
*LY3AB	540	12	0 9
*LY4Z	84	11	0 3
Netherlands			
*PA4EL	35,180	176	1 39
PEST	34,969	141	3 44
PA3AAV	18,848	118	1 31
*PA3DTR	17,136	123	0 28
*PA7KY	9,200	76	0 25
*PE1EWR	650	13	0 10
*PA3EYV	252	9	0 6
*PEØCD	240	8	0 6
North Macedonia			
*Z3ZU	17,400	118	0 29
Norway			
LC8C	39,565	196	2 39
*LC1P	26,752	173	0 32
LA6LJA	19,140	130	0 20
LB6KC	8,575	70	1 24
Poland			
SQ7CL	156,853	647	2 47
SP3P	119,592	557	1 43
SP4Z	66,005	316	1 42
SQ8N	54,036	292	0 38
SN6L	52,820	289	0 38
*SQ9P	37,808	233	0 34
SQ7BFS	36,180	208	0 36
*SQ9NIS	36,112	202	0 37
SO5MAX	34,176	225	0 32
*SQ1OD	22,568	154	0 31
*SP7TEX	14,761	105	0 29
*SQ7OVT	14,364	116	0 27
HFR9	13,891	97	0 29
*SN4D	7,350	76	0 21
*SP9HZW	6,233	56	0 23
*SP2BP	2,030	29	0 14
Portugal			
*CT7AGE	20,631	103	1 38
Romania			
*YO2LSP	16,957	108	0 31
*YO5OHC	4,986	56	0 18
*YO2OXD	1,001	16	0 13
Scotland			
MM9I	38,493	197	1 38
Serbia			
YTØW	174,050	685	2 48
YU8DKO	118,910	495	1 46
YU1ZZ	7,371	70	0 21
YT7R	4,580	46	0 20
*YU1EW	3,496	38	0 19
*YU1LD	840	14	0 12
Sicily			
IT9IS	229,756	618	10 61
IT9RBW	151,453	499	5 54
*IT9VCE	24,096	150	0 32
IT9IMJ	4,599	44	0 21
Slovak Republic			
OM3GI	79,430	332	1 46
OM7JG	49,514	258	1 37
*OM4AQP	31,885	181	1 34
*OM3IAG	27,684	156	1 35
OM2VL	19,778	123	3 28
*OM3KWZ	670	14	0 10
Slovenia			
S53O	284,196	842	9 57
S54Z	241,133	809	4 55
S56B	209,952	777	4 50
*S57DX	147,000	594	1 49
*S55X	67,821	351	0 39
S53F	66,838	294	0 46
S54O	51,441	272	0 39
S53MM	49,950	277	0 37
*S53TG	49,140	252	2 37
*S57KM	7,912	73	0 23
*S52WW	5,662	65	0 19
Spain			
ED7R	148,137	418	19 48
EA1SA	92,160	278	16 48
*EA3CI	83,545	342	2 47
EA1I	63,936	236	6 48
EC1T	44,988	196	4 42
*EA3IBS	37,666	208	0 37
EA3AKA	448	14	0 7
Sweden			
8SØC	88,795	413	0 43
SM2M	86,386	365	2 45
*SEØX	42,680	214	0 40
SM5EPO	30,747	167	0 37
SJ4F	22,661	148	0 31
*SM6MVE	16,344	138	0 24
*SD6F	2,752	35	0 16
SM1NJC	1,500	25	0 12
Switzerland			
HB9CXZ	192,564	713	2 52
HB9DQL	77,784	370	1 41
HB9FKK	16,066	111	0 29
Ukraine			
URSAS	186,735	631	3 56

UT8UD	175,332	610	4 53
UZ5DX	118,440	516	2 45
UX5IS	91,264	401	1 45
UT5C	77,715	360	1 44
UT5EC	54,302	295	0 38
UX1UA	52,500	261	0 42
*UX1VT	26,970	186	0 31
*URS5Q	21,990	156	0 30
*UT8IM	20,493	163	0 28
*UT1WWW	18,116	138	0 27
*UT1WWW	17,019	111	0 31
*UT8IK	16,800	116	0 30
US6IKT	15,930	122	0 27
*UT8LN	11,745	95	0 27
UT3UV	10,097	99	0 23
UT3WM	9,175	75	0 25
*UR6EA	8,740	74	0 23
*UR2Y	4,704	52	0 21
UW3HM	3,825	49	0 17
*URSVA	3,706	44	0 17
UX1VX	1	-123	0 13
Wales			
*GWØARK	4,994	46	0 22
GW3YDX	1,680	14	11 1
OCEANIA			
Australia			
VK4ZD	546	16	3 4
Hawaii			
KH7M	68,542	161	37 6
Indonesia			
*YC2VOC	580	42	0 5
YC1COZ	116	25	0 2
YC1LJT	114	11	0 3
YB1ELP	108	23	0 2
YB3BIY	50	25	0 1
*YB3LOJ	46	23	0 1
*YØ9FZ	44	22	0 1
YB1PAG	36	18	0 1
YC1PZ	36	22	0 1
YBØNSI	18	9	0 1
*YB9UA	6	3	0 1
YC9WH	2	1	0 1
New Zealand			
ZL3IO	160	5	3 1
SOUTH AMERICA			
Bonaire			
PJ4DX	10,530	42	18 8
Brazil			
PX2A	4,161	37	7 12
PY5XH	560	20	2 6
PY9PM	117	14	0 3
*PU2UAF	66	15	0 2
*PY2GTA	58	13	0 2
*PY2TC	58	13	0 2
MULTI-OP NORTH AMERICA UNITED STATES			
MASSACHUSETTS			
NS1DX	161,200	842	56 19
W1NA	147,928	469	48 42
N1SOH	9,537	128	31 2
NEW JERSEY			
N2AA	130,340	791	55 15
MARYLAND			
WG3J	97,356	698	51 10
W4SEKL	40,341	337	42 9
PENNSYLVANIA			
NE3F	54,150	472	43 7
FLORIDA			
N2CEI	226,327	976	56 33
GEORGIA			
AD4XT	13,680	174	36 2
VIRGINIA			
KK4ODQ	8,896	124	30 2
W4CAR	248	14	8 0
ARKANSAS			
WU5PIG	20,565	211	42 3
TEXAS			
WR5O	75,726	517	52 11
ARIZONA			
N7T	110,628	683	54 9
OREGON			
W7DTV	1,330	43	14 0
MICHIGAN			
W8CT	32,781	294	47 2
OHIO			
W8PR	121,520	755	55 15
ILLINOIS			
N9JF	17,520	204	40 0
NORTH AMERICA			
Costa Rica			
T11T	2,466	25	11 7
ASIA			
Asiatic Russia			
RT8U	225,342	514	1 53
ROMM	254	29	0 2
Asiatic Turkey			
TC3A	192,089	420	1 46
China			
BA3RA	645	29	0 5
Japan			
JK2VOC	130	28	0 2

EUROPE			
Aland Islands			
OHØZ	41,420	211	1 37
Azores			
CO8M	107,982	245	23 40
Bosnia-Herzegovina			
E7CW	270,291	876	7 54
E7GZ	65,805	321	0 41
Croatia			
9A2U	133,750	526	2 48
9A2W	71,946	346	0 42
Czech Republic			
OL1R	221,850	759	6 52
OK1KDO	181,431	644	3 54
OL5Y	15,892	115	0 29
European Russia			
RL3A	331,783	871	6 65
UA7K	300,960	746	9 67
R1DX	164,424	655	0 51
RT4G	149,176	502	3 55
RT3E	13,702	105	0 26
Germany			
DR4W	169,008	717	3 53
DP6A	162,806	660	9 49
DP7D	137,450	687	4 46
DM3W	135,456	671	2 49

DQ5M	71,148	400	1 43
DP5G	56,716	333	3 41
DK2A	34,749	272	0 33
Hungary			
HG8DX	400,582	1064	9 62
HG6L	20,076	147	0 28
Italy			
IK2YCW	212,032	664	10 54
IR7T	175,820	601	4 55
Lithuania			
LY7Z	222,208	779	2 54
LY2ZO	152,439	600	3 48
LY2DX	48,982	269	0 38
Poland			
SP8R	280,860	895	4 56
SN5T	148,200	600	1 49
SP8PAI	40,053	206	0 39
SP9KJM	1,610	37	0 10
Romania			
YR8D	265,860	819	9 54
Serbia			
YU7ADY	87,806	406	0 43
YT6T	68,770	295	1 45
Slovak Republic			
OM7M	330,578	945	8 59

Spain			
ED1R	29,233	148	2 39
EA4DE	11,004	89	0 28
Switzerland			
HB9NE	194,936	652	6 53
HB9NFB	106,876	500	2 42
Ukraine			
UR4UWY	29,295	199	0 31
UZ2I	9,315	89	0 23
UR4NWW	1,635	22	0 15
OCEANIA			
Indonesia			
7A8A	296	29	0 4
7B1B	282	39	0 3
7C1B	148	29	0 2
7AØD	124	31	0 2
CHECK LOGS			
AC2OC, C31CT, CO2RQ, DG1YHP, DJ1SL, DL3EAZ, DL5WS, DM5DX, E74SL, E77EA, EA6EE, EU1A, HA8AR, HG8C, K2JVX, K2ZW, OH2IS, OK1DWC, OK1FUA, OK1PS, OK1MGW, PA4D, RT7A, RØTT, RM2A, RU1AB, RW1A, RW1F, RY6Y, RZ1OA, S51DX, S5ØT, SC3A, SO4R, SP5SD, SP9GF, SO9NFC, UR1YAA, VA3OB, YL2EM, YO3JR, YT1Q.			

