Results of the 2010 CQ WW VHF Contest

BY JOHN LINDHOLM,* W1XX

What is the purpose of a VHF Contest? That is a thread that drew many comments from the Contest Quahogs of Rhode Island (CQRI) on the infamous Quahog Reflector following the 2010 CQ WW VHF Contest of July 17–18. Here's a synopsis of some major points of focus.

Why Contest?

VHF contesting is somewhat different from that on HF in that a major purpose is to simply provide QSOs. Selecting the right band/mode, one can generate a QSO on HF almost any time of day or night. Not so on VHF. In most areas there are long lapses of dead silence. The higher up in frequency you go, the more true this is. On 6 meters we tend to look for openings over longer distances. It's the natural tendency to engage in DXing. Given reasonable propagation conditions, the VHF contest enhances the possibility of making contacts, as everyone is alerted to be on the air at the same time.

The term *contest*, however, implies competition. The CQ WW VHF Contest does indeed promote competition. The true dyed-in-the-wool contester ekes out every QSO possible utilizing all the skills that have been learned in previous contests. Maximizing your score is the objective. In that respect these folks are quite similar to their HF brethren. Their efforts are applauded and sometimes result in winning certificates. Their diligent efforts help the QSO total for everyone else.

However, especially in the CQ WW VHF Contest, there are many more casual entries from those who just want to make a few contacts. Being a 6- and 2-meter only contest emphasizes that point. Thank goodness for their activity, as they really fuel the activity engine for the more serious-minded competitors.

We should also not forget the entrants who find joy in combining VHF contesting with the outdoors. The hilltoppers and other portable stations, often located on mountaintops, find contesting and communing with nature a healthy mix. Rovers do likewise while generating mega-Qs in the process.

I'm sure we haven't covered all the motivations, but those mentioned all are good reasons why VHF contesting is such fun for so many folks.

The CQ version of VHF contesting meets all these criteria and more. First of all, it is the only real *worldwide* VHF contest. It carries a worldwide recognizable name—CQ WW. This looms large on HF and is rapidly becoming so on VHF. To live up to that name, the CQ WW VHF Contest must meet expectations of excellence in every regard. This includes timely contest announcements in several languages available online, timely accurate results reported in *CQ,* certificates from the previous year received prior to the next competition, and most important, contest rules devoid of bureaucratic hurdles to modify – which segues us to a brief discussion of the rules.

The Rules

The present version of the CQ-sponsored VHF Contest, now in its second decade, has been marked by relative consistency in its rules. The only changes instituted under this writer's watch have been the addition of the "hilltopper" category to fill a needed niche and this year's club competition. Both of these have proven popular. Further, rovers have retained the so-called "original" rover rules, which—this being only a two-band affair—has avoided any controversy over any perceived abuses. However, we have now come to a crossroad that demands a modification of the rules to keep the contest in harmony with present-day

JA6WFM used this big 10-element Yagi on 6 meters to again lead all scorers in Japan. Besides working JAs, Hiro also worked HS, XV9, BM, and VR2.

This is precious. Ten-year-old JF1UCV/2 operated in the Hilltopper category from the mid-point of famous Mt. Fuji utilizing available shelter. Yoshiki later rejoined his family for camping at the more temperate 3000-foot level. (Photo by 7L1FPU)

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Here's a unique squirrel's view of two KP6KQ stacked loops at W4VHF. Ted, W4VHF, and Gary, K4MQG, teamed up to multi-op at an elevation of 3200 feet in southwestern Virginia (EM96).

TOP SCORES

WORLD

All Band

OK1DC.....36,472
EA2TO/1 26,384
TA2AD.....22,896
DL2OM.....19,488
UY1HY 17,622

6 Meters

EA3AKY 45,619
VE3MMQ.....27,548
CT3FQ 18,746

2 Meters

DK5DQ.....19,686
HA6VW/P 16,512
E22HUV 6,462

Hilltopper

E22HMR/P 5,902

HA2VR/P.....4,192
JF1UCV/2.....2,667

QRP

YU2DX 6,256
UT5UUV 1,587

Rover

YO4RYU/MM ..79,365
VE3CRU.....19,760
US3ITU 17,248

Multi-Op

UT1I 162,162
UR7D 141,576
OK1KIM.....87,904
UT7E 29,988
VE3SMA.....15,876

USA

All Band

K2DRH.....163,415
K1TEO 110,664
W1XX.....79,772
W4RX.....58,338
WA2FGK.....57,378

6 Meters

K1TOL.....80,106
K2PLF 44,577
W2MMD 43,066

2 Meters

W3PAW.....4,980

Hilltopper

K1ZE 4,128
W9SZ 2,240

WA4A 1,664

QRP

KA1LMR.....35,984
K9AKS.....11,552
WB2SIH 6,624

Rover

WB8BZK 55,993
K9JK.....27,685
K9ILT.....23,166

Multi-Op

K5QE.....202,224
KA2LIM 103,016
W4MYA 64,155
W3SO.....63,246
W4MW 55,440

operating techniques —namely, single operator "assisted."

Especially in HF DX contests, with thousands of entrants, the "assisted" categories exist for single ops using the web-based "cluster" or similar packet-based systems that spot potential contacts. With far fewer entrants on VHF, we have avoided such category proliferation. To date, any such assistance in the CQ WW VHF Contest placed the log in the multi-operator category. These 2010 results, however, reveal a startling figure: The number of such entries exploded with fully one-third of all multi entries really being what could be called single-op assisted. This is a significant break from previous years when only a handful of stations made use of cluster spots.

Many casual operators in this contest have no doubt ventured into making assisted contacts not knowing initially that this placed them in the multi category. After all, this may be their normal modus operandi. Why punish them by placing them in competition with stations that are truly multi-operator? Further, VHF usually demands antennas with narrow beamwidths which must be pointed directly at each other to make the contact. This capability is enhanced by utilizing information posted on the cluster with logging programs that simply allow a mouse click to find the contact. So how do we remedy this situation?

Allowing passive assistance for single ops would keep the contest current with today's common operating practices. This is not breaking new ground in the CQ WW universe of contests. The CQ World-Wide WPX RTTY Contest Rule IV (d) reads in part: "QSO alerting assistance is permitted in ALL categories." The 2011 CQ WW VHF Contest rules will reflect this change, allowing passive assistance with specifics detailed in the contest announcement in the June issue of *CQ*. Unlike HF contests, its impact on VHF contesting probably will be relatively minor.

We think this will not only keep the CQ WW VHF Contest up-to-date with present technology, but also put more QSOs in your log. This has to be a good thing. We hope you approve.

2010 Contest Analysis

Keeping with past tradition, comments on the Quahog Reflector tend to focus on the outstanding scoring achievements that might otherwise be overlooked. Thanks to contest historian and longtime QRP advocate Curt Roseman, K9AKS, for posting these telling observations:

As usual, QRP operations were popular in a number of different countries around the world, but regional and national record scores generally were not attained this time. However, two scores do stand out in the QRP Hilltopper category: HA2VR/P and K1ZE, each over 4K points, posting the 6th and 7th all-time highest scores ever in that time-limited category.

The 2-meter-only category continued to be very popular in Ukraine, European Russia, and Thailand. UT5JCW (6K) posted the highest score ever from Ukraine, while RU3GX (1.8K) did the same from Russia. DK2DQ again dominated the 2-meter EU scores with 29K points. Across the Atlantic in North America, in contrast, activity in the 2-meter category was at a bare minimum. Throughout the history of this contest, few Americans and Canadians have been able to suppress the temptation to operate 6 meters.

This is illustrated by the remarkable consistency of K1TOL's winning scores

QSO LEADERS BY BAND

WORLD

Single-Op 50 MHz

EA3AKY 343
VE3MMQ 284
CT3FQ 182

144 MHz

E22HUV 359
HS4DDQ 298
HS8LUR.....283

Multi-Op 50 MHz

UT1I 268
UR7D 196
UT7E.....168

144 MHz

HS1EFA 478
HS8KFW 478
HS5WWW.....358

USA

Single-Op 50 MHz

K1TOL 507
K2DRH.....463
K1TEO 382

144 MHz

K2DRH.....171
K1TEO 157
K3CB 100

Multi-Op 50 MHz

K5QE 444
N3MK.....355
KA2LIM 342

144 MHz

K5QE 161
W4MW 155
KA2LIM 145

GRID MULTIPLIER LEADERS BY BAND

WORLD

Single-Op 50 MHz

EA3AKY 133
CT3FQ.....103
VE3MMQ.....97

144 MHz

DK5DQ 51
HA6VW/P 43
UT5JCW.....43

Multi-Op 50 MHz

UT1I.....146
UR7D.....124
UT7E 106

144 MHz

UR7D.....80
OK1KIM.....73
UT1I.....43

USA

Single-Op 50 MHz

K1TOL 158
K2DRH 155
K2PLF 127

144 MHz

K2DRH 48
WA2FGK 41
K1TEO.....35

Multi-Op 50 MHz

K5QE.....181
KA2LIM.....123
N3MK 120

144 MHz

K5QE.....83
W3SO.....43
KA2LIM.....40

over the past six years, ranging from 62K to 91K, except for the block-buster year of 2006 when Lefty scored 358K. This year's 80K was in the middle of that range. Also this time the second and third best scores ever from Africa were posted on 6 meters: CT3FQ with 19K from Madeira and EA8AQV at 11K from the Canary Islands —both great QTHs for fabulous 6-meter propagation.

In general, worldwide, scores in the all-band category were not at record-breaking levels. However, K7ULS broke the 7-land record from Utah with 34K points. OK1DC posted the 4th highest score in contest history from Europe with 36K.

The multi-operator category produced some notable performances. UT1I's winning score of 162K was the third highest ever from Europe. UR7D worked 204 grids, the second highest total ever from Europe, and KA2LIM, with 103K points, broke their own record for the U.S. 2nd call area. K5QE's 264 total grids worked was their highest, except for 2006, and the second highest number any station has ever worked, again except for 2006. Isn't it time for another 2006- type year propagation-wise?

In the on-going worldwide effort for more countries to be QRV on 6 meters, the contest prize was the log from HSØAC, club station for the Radio Society of Thailand. Receiving special one-time authorization to operate the contest, this was the first 6-meter operation from Thailand, resulting in 173 Qs in 34 grids throughout Southeast Asia. FB! A first-time-ever log was received from Vietnam (XV9DT). A harbinger of things to come was the 10 log entries from Japan, following a contest announcement in *JA-CQ Magazine.* CQ WW VHF surges on worldwide. Check the leader boxes and the scores for *all* the contest highlights.

Expanded CQ WW VHF Contest Results

For a listing of the ops and grids activated by the rover stations in the 2010 contest, plus the operators of the multi stations, and "Scatter" comments, go to the contest website at <www.cqww-vhf.com>, select "Latest published results," and then "Expanded Results" for the year 2010. You can also go to the CQ website at <www.cq-amateur-radio.com> and look in the "Contests" section.

Mega-thanks

In just slightly above-average conditions, the 700 log entries were up a record high 18% over the previous year. Clearly the CQ WW VHF Contest is well accepted by the VHF contesting community. Thanks to these amateurs and others unnamed who helped to publicize the contest overseas in advance and/or assist in Cabrillo log submissions: 7L1FPU, DL8EBW, E21EIC, EA3ALV, JA7QVI, LU2UF, PY2ZX, RW6CT, SM3CER, and UT1IC. The log-checking program was run by N8BJQ. K9JK entered all the paper logs using the WA7BNM on-line CabForms, as did many contest entrants. K9JK also prepared all the 2009 certificates for mailing for receipt before the 2010 contest. The log entry robot ran flawlessly thanks to N5KO. The contest website (www.cqww-vhf.com) updates are done by W1PN. Contest records are maintained by K9AKS. Thank you all!

Statistically speaking, the total number of stations reported active was 11,484; total of 55,663 QSOs claimed; total number of grids activated 954. This represents an amazing overall activity increase of 20% over previous highs. CQ WW VHF continues to get better and better.

2011 Contest

Mark your calendar for the 2011 CQ WW VHF Contest, July 16–17. The full announcement will appear in the June issue of *CQ,* on the *CQ* website (www.cq-amateur-radio.com), and on the CQ WW VHF Contest website (www.cqww-vhf. com). A summary of the rules will also appear in various languages on many DX contesting websites. CU all then!

73, John, W1XX

CLUB COMPETITION

(Minimum of three entries required for listing)

UNITED STATES

Club Name	# Entries	Score
Potomac Valley Radio Club	22	486,341
Society of Midwest Contesters	20	304.286
Pacific Northwest VHF Society	18	249,938
North East Weak Signal Group	4	134,824
Carolina DX Association	7	109,258
Badger Contesters	9	96,619
Yankee Clipper Contest Club	9	89,964
CTRI Contest Group	4	82,491
Grand Mesa Contesters of Colorado	4	78,779
Florida Contest Group	8	76,404
Eastern Connecticut Amateur Radio Assn.	3	55,238
Frankford Radio Club	4	27,375
South East Contest Club	6	26,750
Alabama Contest Group	6	20,410
Mad River Radio Club	3	13,230
Western New York DX Assn.	3	8,519
Northern California Contest Club	5	7,937
Tennessee Contest Group	7	7,528
Portage County Amateur Radio Service	6	5,314
Stoned Monkey VHF ARC	3	4,533
Raritan Bay Radio Amateurs	3	2,446

WORLD

Ukrainian VHF International Contest Club	31	185,799
Contest Club Ontario	13	59,521
Black Sea Contest Club	6	52,841
Rhein Ruhr DX Assnn	1	40,768
Maritime Contest Club	4	24,279
Latvian Contest Club	5	16,409
Gyalogradio Club	3	4,890
Ukrainian Contest Club	4	3,375
LU Contest Group	9	985
Siam DX Group	5	880

Number/letter groups after call letters denote the following: Class (A = all band, 6 = 6 meters, 2 = 2 meters, Q = QRP, Q* = QRP portable hilltopper, R = rover. M = multi-operator), Final Score, Number of QSOs, Number of grid locators, State/Province (USA/Canada only), Grid Locator or Number of grids activated (rover only). Rover scores for USA are listed separately. Certificate winners are listed in boldface.

2010 VHF RESULTS
NORTH AMERICA
UNITED STATES

K1TEO	A	110,664	539	159	CT	FN31
W1XX	A	79,772	452	148	RI	FN41
W3EP	A	44,888	343	124	CT	FN31
N8RA	A	37,022	285	107	CT	FN31
W2DAN	A	18,834	219	73	RI	FN41
WV2ZOW	A	15,010	162	79	MA	FN32
W1RZF	A	12,104	143	68	MA	FN42
AD1DX	A	8,640	138	54	MA	FN41
KA1R	A	8,568	131	63	MA	FN42
N1ORK	A	6,250	100	50	CT	FN31
K1VUT	A	5,831	107	49	MA	FN41
KB1JDX	A	4,280	90	40	CT	FN41
W1DYJ	A	3,003	64	39	MA	FN42
K3IU	A	1,972	67	29	RI	FN41
N1VVV	A	1,944	48	36	ME	FN43
KC1MA	A	1,914	50	33	MA	FN51
KK1X	A	1,560	53	26	MA	FN42
KB1MAO	A	870	38	15	RI	FN41
W1PN	A	595	32	17	RI	FN41
KA1C	A	480	23	20	ME	FN54
KB1OTB	A	275	20	11	NH	FN42
W1WIU	A	208	20	8	RI	FN41
K1NPT	A	125	15	5	RI	FN41
K1TOL	6	80,106	507	158	ME	FN44
K1IMI	6	5,355	105	51	ME	FN53
						(Op: N4CW)
K1MVM	6	1,856	58	32	CT	FN31
K1DM	6	152	19	8	CT	FN31
K1DAT/1	6	80	10	8	MA	FN41
K1ZE	Q*	4,128	84	43	CT	FN31
AA1I	Q*	420	23	14	MA	FN32
N1PRW	Q*	312	26	8	MA	FN42
W1QH	Q*	306	17	9	CT	FN31
W1QK	Q*	225	25	9	CT	FN31
						(Op: KB1STT)
KA1LMR	Q	35,984	302	104	NH	FN43
N2GZ	Q	40	10	4	CT	FN31
KB1DFB	M	46,830	340	105	CT	FN41
N1JEZ	M	20,737	206	89	VT	FN44
NE1B	M	13,104	177	63	NH	FN42
WA1Z	M	2,065	59	35	NH	FN42
N1API	M	1,485	48	27	CT	FN31
W2UDT	A	11,280	147	60	NJ	FN20
WB2LEB	A	10,602	149	57	NJ	FN20
W2EV	A	9,472	121	64	NY	FN03
N2NF	A	9,135	113	63	NJ	FM29
K2QO	A	8,316	101	66	NY	FN03
NA2NY	A	6,039	85	61	NY	FN33
N2SLO	A	5,512	83	52	NY	FN30
KA2CYN	A	5,060	98	44	NY	FN31
WA2BAH	A	4,992	85	52	NY	FN32
KA2OON	A	1,702	60	23	NJ	FN20
W2UAD	A	1,682	43	29	NY	FN13
KA2MCU	A	608	28	19	NY	FN32
WA2NXK	A	480	28	12	NJ	FN20
W2BT	A	264	21	12	NJ	FN20
W2OSR	A	160	15	10	NY	FN30
WB2ZEX	A	133	16	7	NY	FN30
N2NOM	A	63	8	7	NY	FN22
W2MMD	6	43,066	353	122	NJ	FM29
						(Op: N2NRD)
KC2HZW	6	4,800	100	48	NY	FN30
WB2AMU	6	3,525	75	47	NY	FN30
W2JCN	6	850	34	25	NY	FN21
K2DER	6	774	43	18	NY	FN30
K2XC	6	180	15	12	NY	FN34
W2DXE	6	140	14	10	NY	FN02
N2MPU	6	90	10	9	NJ	FN20
W2CVW	6	65	13	5	NJ	FN20
WB2ABD	6	63	9	7	NY	FN02
K2RLW	6	44	11	4	NJ	FN20
KC2JRQ	2	32	4	4	NY	FN30
WB2SIH	Q	6,624	106	48	NY	FN31
K2SSS	Q	1,125	45	25	NY	FN13
W2JEK	Q	112	16	7	NJ	FN20
KA2LIM	M	103,016	487	163	NY	FN12
N2LID	M	9,932	160	52	NY	FN12
N1IBM	M	9,300	117	62	NJ	FM29
W2YR	M	2,343	57	33	NJ	FN20
WA2FGK	A	57,378	345	131	PA	FN21
						(Op: K2LNS)
K3ZO	A	55,176	371	132	MD	FM18
K3CB	A	50,760	323	120	MD	FM18
K3ISH	A	14,196	154	84	PA	FN21
W3ZZ	A	9,955	136	55	MD	FM19
N3UM	A	9,165	119	65	MD	FM18
W3TDF	A	4,444	92	44	PA	FN20
K1DS	A	3,150	69	35	PA	FN20
K3SX	A	2,343	58	33	MD	FM19
K3MD	A	2,040	44	34	PA	FN10
W3GNQ	A	1,680	44	30	DE	FM28
N3CR	A	819	32	21	PA	FN20
KC9QJR	A	168	19	7	MD	FM19
KB3LNM	A	77	10	7	MD	FM19
K2PLF	6	44,577	351	127	MD	FM19
W3BD	6	6,345	135	47	PA	FM19
W3LDG	6	936	39	24	MD	FM29
W3TEF	6	558	31	18	PA	FN00
WA3G	6	126	14	9	MD	FM19
W3PAW	2	4,980	83	30	PA	FM19
W3SO	M	63,246	353	127	PA	FN00
N3IQ	M	32,076	265	99	MD	FM19
K3WW	M	4,452	106	42	PA	FN20
N1SZ	M	3,555	79	45	MD	FM19
W4RX	A	58,338	365	126	VA	FM19
W4WA	A	31,694	274	106	GA	EM84
KN4SM	A	26,880	206	105	VA	FM16
N3LL	A	21,018	207	93	FL	EL86
K4QI	A	18,786	160	93	NC	FM06
N4QV	A	15,225	181	75	FL	EL96
NJ2F	A	12,110	162	70	FL	EL96
W4AS	A	10,921	149	67	FL	EL95
K4FJW	A	4,200	81	42	VA	EM86
KE4TWI	A	3,572	90	38	TN	EM66
W4FRA	A	2,479	57	37	NC	FM15
K4FTO	A	2,025	59	25	VA	FM18
KS4YX	A	1,980	54	36	SC	EM84
N4AVV	A	1,705	44	31	SC	FM03
WA4QYK	A	1,550	46	25	TN	EM86
N4MM	A	1,500	45	25	VA	FM09
KI4FIA	A	1,100	31	22	FL	EL99
W2WAS	A	966	36	23	NC	FM05
N1LF	A	851	34	23	AL	EM63
AI4GR	A	741	29	19	NC	EM85
W1LVL	A	680	26	17	FL	EL99
K1KC	A	540	27	15	GA	EM73
KE4PT	A	465	29	15	FL	EL96
K8YC	A	153	14	9	NC	EM95
WA2EMF	A	90	10	6	SC	EM94
K4KAY	A	63	8	7	NC	EM95
W4WNT	A	54	7	6	NC	FM05
KG4QEN	A	12	4	2	NC	EM95
W4SO	6	13,275	177	75	FL	EL96
K4WI	6	12,935	199	65	AL	EM62
K4SN	6	10,824	164	66	FL	EL96
N4LR	6	10,065	165	61	GA	EM73
N4PN	6	7,137	117	61	GA	EM82
K9IL	6	6,897	121	57	TN	EM56
N4NX	6	5,886	109	54	GA	EM84
N4BP	6	4,704	98	48	FL	EL96
K4OMG	6	4,144	112	37	TN	EM66
WX4MM	6	3,744	96	39	AL	EM72
KU8E	6	3,192	76	42	GA	EM72
NU4Y	6	2,849	77	37	FL	EM90
W4PV	6	2,016	63	32	TN	EM86
W6UB	6	1,995	57	35	TN	EM75
N4ZQ	6	1,914	58	33	FL	EL88
K3KO	6	1,770	59	30	NC	FM06
KR4F	6	1,656	69	24	AL	EM64
N2WN	6	1,219	53	23	TN	EM86
AB4SF	6	1,176	42	28	VA	FM17
KM4H	6	1,080	45	24	TN	EM75
N4NM	6	987	47	21	AL	EM64
K3TW/4	6	987	47	21	FL	EL88
W4HRC	6	888	37	24	TN	EM75
WF4R	6	480	24	20	VA	FM16
K4BAI	6	294	21	14	GA	EM72
KN4Y	6	272	17	16	FL	EM70
W4BK	6	220	22	10	TN	EM66
WB5NMZ	6	180	15	12	AL	EM62
KD4QMY	6	176	16	11	GA	EM82
WA4JQS	6	150	15	10	KY	EM77
KW7R	6	121	11	11	FL	EL87
N4DTF	6	110	11	10	TN	EM55
KA5VZG	6	80	10	8	TN	EM56
N4IJS	6	15	5	3	KY	EM79
K4PG	6	8	4	2	FL	EL96
WA4A	Q*	1,664	45	26	VA	EM96
N9TZL	Q*	294	18	14	KY	EM78
KC8KSK	Q*	90	10	6	NC	EM96
N4TZH	Q*	30	6	5	FL	EL96
NZ1D	Q	240	20	12	FL	EL98
W4MYA	M	64,155	387	141	VA	FM07
W4MW	M	55,440	373	105	NC	EM96
W4VHF	M	49,362	339	114	VA	EM96
W4NH	M	46,332	334	117	GA	EM84
N3MK	M	42,600	355	120	VA	FM27
W6SAI	M	11,748	167	66	AL	EM63
K1HTV	M	10,430	138	70	VA	FM18
W4YCC	M	10,017	142	63	SC	EM94
K4MM	M	9,792	125	72	FL	EL97
K4RFT	M	9,184	164	56	TN	EM56
W4APP	M	7,504	134	56	VA	EM87
N4JQQ	M	6,960	145	48	TN	EM55
K4NAU	M	912	38	24	SC	FM02
WA4EWV	M	648	18	18	FL	EM70
N4AU	M	368	23	16	AL	EM62
N4BCD	M	300	20	15	AL	EM64
K5GZR	A	10,656	116	74	TX	EM20
K5WPN	A	9,333	102	61	OK	EM14
WB2FKO	A	6,643	87	73	NM	DM65
W5TV	A	4,399	80	53	TX	EM21
W5UOK	A	3,840	77	48	TX	EM11
W8FR	A	1,421	43	29	MS	EM54
AF5Q	A	780	29	20	OK	EM04
NØRQ	A	432	23	18	TX	EM13
N5UWY	A	204	14	12	OK	EM15
KC5MVV	A	56	10	4	TX	DM93
WD5K	6	37,146	302	123	TX	EM12
W5KI	6	5,253	103	51	AR	EM36
KE5NYZ	6	3,344	76	44	TX	EM00
W5KFT	6	1,296	54	24	TX	EM00
K5RPD	6	1,170	45	26	AR	EM35
K3TD	6	1,160	40	29	TX	EM10
KD5J	6	1,098	61	18	AR	EM45
AC5O	6	1,050	42	25	LA	EL49
KB5LE	6	936	36	26	LA	EM32
K5GM	6	736	32	23	TX	EM10
AB5C	6	575	25	23	TX	EM12
WA5TRX	6	391	23	17	LA	EM40
AD5OW	6	255	17	15	MS	EM52
NI5F	6	168	14	12	MS	EM42
WØZW	6	12	4	3	NM	DM73
WA5ZEK	Q*	176	14	11	AR	EM35
WA5BUC	Q	42	7	6	TX	EL29
KC5WA	Q	36	6	6	LA	EM32
K5QE	M	202,224	605	264	TX	EM31
KC5MVZ	M	12,168	146	78	TX	DM93
AJ6T	A	5,513	112	37	CA	CM87
AF6RR	A	4,743	118	31	CA	CM87
KC6ZWT	A	1,827	62	21	CA	CM98
W6OMF	A	1,518	48	23	CA	CM98
K6EL	A	1,134	39	21	CA	CM99
K6OAK	A	48	11	4	CA	CM97
K6CSL	6	40	10	4	CA	CM97
KD6LZV	Q*	4	2	1	CA	CM87
K6MI	Q	540	36	10	CA	DM06
K6EMI	M	882	45	14	CA	DM13
K7ULS	A	34,348	268	124	UT	DN41
K7TOP	A	16,920	171	90	AZ	DM34
KC7I	A	4,484	94	38	OR	CN84
KD7UO	A	4,400	82	40	WA	CN97
K7AWB	A	1,860	48	31	WA	DN17
N6KW	A	1,037	42	17	WA	CN87
W7MY	A	736	27	23	WA	DN06
N7DB	A	576	32	12	OR	CN85
W7MTL	A	290	22	10	OR	CN84
N7EPD	A	220	16	10	OR	CN74
W6LLP	A	72	8	8	WA	DN17
K7CW	6	13,650	182	75	WA	CN87
KS7S	6	13,120	160	82	WY	DN71
K7BG	6	6,572	106	62	MT	DN47
KD7DCR	6	720	30	24	MT	DN35
K4XU	6	522	29	18	OR	CN94
KB5HMU	6	280	20	14	MT	DN25
WB7FJG	6	230	23	10	WA	CN87
KI7BP	6	216	18	12	ID	DN13
W7YAQ	6	216	18	12	OR	CN94
WØOGH	6	63	9	7	AZ	DM43
W6NF	6	35	7	5	NV	DM09
KGØAL	6	4	2	2	MT	DN76
KI7JA	2	816	34	12	OR	CN85
KG7HQ	Q*	225	17	9	WA	CN88
N6LB	Q	1,206	42	18	WA	CN88
W7RDP	Q	52	10	4	WA	CN87
N7IR	Q	459	27	17	AZ	DM43
W7RV	M	3,132	71	36	AZ	DM43
W7RN	M	1,809	55	27	NV	DM09
K7TJ	M	1,053	37	27	WA	DN18
K8WFN	A	13,578	147	73	OH	EN90
N8BI	A	10,168	141	62	OH	EN91
K8CC	A	7,672	117	56	MI	EN82
N8LIQ	A	5,529	79	57	MI	EN56
W8KEN	A	3,605	82	35	OH	EN91
KB8U	A	2,924	75	34	MI	EN71
KT8X	A	1,953	51	31	MI	EN82
K8DXR	A	1,344	42	28	OH	EN90
K8AB	A	1,260	47	21	OH	EN91
W8KNO	A	936	33	24	OH	EN91
WB2DFC	A	592	34	16	OH	EN91
W8IDM	A	490	26	14	OH	EN91
NX8G	A	248	20	8	OH	EN90
K8WW	6	4,752	99	48	OH	EN81
KB8UUZ	6	2,812	74	38	OH	EN91
N8II	6	1,682	58	29	WV	FM19
N8BJQ	6	957	33	29	OH	EN80
WB8LCD	6	656	41	16	OH	EN91
WT8E	6	546	26	21	OH	EM89
K8YTO	6	500	25	20	MI	EN82
N8PPF	6	192	16	12	OH	EN80
N8AGU	6	84	12	7	OH	EN91
N8OFS/P	6	10	10	1	OH	EN91
W8IDW	6	6	3	2	WV	EM99
N8QE	Q	70	14	5	OH	EN91
W8PGW	M	2,349	60	29	MI	EN82
KG9Z	M	247	19	13	OH	EN90
KD8NZG	M	96	12	8	OH	EN90
AA8LL	M	4	2	2	OH	EM79
K2DRH	A	163,415	634	203	IL	EN41
KC9BQA	A	31,185	230	105	WI	EN63
W9GKA	A	13,725	162	75	IL	EM58
N9LB	A	6,780	98	60	WI	EN52
KA9UVY	A	3,696	69	48	IL	EM58
NT9E	A	3,240	70	36	IL	EN52
W9GA	A	3,120	73	30	WI	EN53
W9THD	A	2,394	60	38	IN	EN71
K9CT	A	1,482	42	26	IL	EN50
W9HQ	A	988	30	26	WI	EN43
KC9ELU	A	861	29	21	IN	EM79
KA9RSL	A	299	14	13	IN	EN71
N9NFB	A	276	18	12	WI	EN53
KB9OWD	A	273	17	13	IL	EN53
W9ZB	A	266	16	14	IN	EM69
N9NDP	A	260	14	10	WI	EN62
N9LYE	A	180	12	10	IL	EN51
KG9N	A	60	9	6	IL	EN50
WO9S	6	11,160	155	72	IL	EN61
W9SE	6	7,080	118	60	IL	EN50
W9ZRX	6	7,076	116	61	IN	EN60
W9LX	6	2,860	65	44	IL	EN51
K9GS	6	1,792	56	32	WI	EN52
W9ILY	6	720	36	20	IL	EN61
W9VA	6	576	36	16	IL	EN62
WI9WI	6	195	15	13	WI	EN53
KB9YGD	6	48	8	6	IN	EN61
K9KJ	6	9	3	3	IN	EN61
W9SZ	Q*	2,240	51	32	IL	EN50
K9AKS	Q	11,552	131	76	IL	EN41
N9TF	Q	2,688	61	32	IL	EN52
KO9A	Q	1,909	59	23	IL	EN52
N9YH	Q	336	20	12	IL	EN52
W9RVG	M	22,134	224	93	IL	EM57
N2BJ	M	3,913	74	43	IL	EN61
N7MB	M	1,540	55	28	IL	EN50
W9AWE	M	300	16	15	IL	EN40
KØNR	A	32,944	270	116	CO	DM78
KØSIX	A	31,110	235	122	MN	EN35
KBØHH	A	30,250	221	121	KS	EM06
NØKE	A	28,336	245	112	CO	DM69
KØAWU	A	12,600	137	84	MN	EN37
NØGZ	A	11,935	141	77	IA	EN31
KV1E	A	7,564	111	62	IA	EN41
WVØH	A	5,044	91	52	CO	DM79
W6OAL	A	1,372	44	28	CO	DM79
WØPPF	A	1,053	38	27	IA	EN41
WAØVPJ	A	703	27	19	MN	EN35
NØAX	A	35	6	5	MO	EM49
KBØYH	6	20,056	218	92	CO	DM79
WØRIC	6	17,487	201	87	CO	DM79
WØHBH	6	7,260	132	55	MO	EM48
KØPK	6	4,959	87	57	MN	EN37
NDØC	Q	6,527	107	61	MN	EN23
W6GMT	Q	2,220	54	37	MN	EN37
WBØNRV	Q	182	14	13	KS	EM17
KIØG	Q	12	3	3	CO	DM69
W9BNO	Q	1	1	1	CO	DM79
KDØBJS	M	180	15	12	CO	DM79

Rover

WB8BZK	55,993	300	133	6
K9JK	27,685	165	113	6
K9ILT	23,166	159	99	8
WØBL	9,792	126	64	3
K9GY	6,804	98	54	5
KB3TSL	6,300	84	50	2
N2SLN	5,605	74	59	4
AF4OD	4,134	69	53	2
K9TMS	4,107	77	37	2
N6ZE	3,192	91	24	2
W9YOY	3,036	65	33	4
AA5JG	2,944	56	46	3
N1KPW	2,808	60	39	6
KD5IKG	2,520	50	42	4
VE3ZV/W	2,296	47	41	13
N6ORB	1,892	64	22	3
W9DLN	1,872	52	36	4
AD4IE	1,680	42	30	3
KR5J	1,440	39	30	5
K3HQI	1,196	37	23	2
NV6C	1,134	37	21	4
NØUD	920	36	23	5
K7MDL	675	33	15	3
KJ6GZF	495	22	15	3
K6LMN	270	22	10	3
KC9MMM	90	10	5	2
NE8I	81	9	9	2
WØETT	72	9	8	2

CANADA

VE1SKY	A	8,866	141	62	NS	FN74
VE2HAY	A	1,711	55	29	QC	FN35
VE2DWA	6	620	31	20	QC	FN25
VE3KZ	A	8,512	115	64	ON	FN03
VE3VCF	A	200	18	10	ON	FN25
VE3MMQ	6	27,548	284	97	ON	FN14
VE3EJ	6	2,244	66	34	ON	FN03
VE3RCN	6	1,040	40	26	ON	FN03
VE3EK	6	667	29	23	ON	FN03
VE3GFN	6	286	22	13	ON	FN03
VE3UTT	6	187	17	11	ON	FN04
VE3OBU	6	100	10	10	ON	FN03
VA3PC	6	80	10	8	ON	FN06
VE3TLT	Q	260	17	13	ON	EN92
VE3CW	Q	132	12	11	ON	FN02
VA3RKM	Q	3	3	1	ON	FN25
VE3SMA	M	15,876	158	84	ON	FN05
VE3HHT	M	1,829	44	31	ON	EN92
VE3CRU	R	19,760	135	104		7
VE4EAR	6	2,552	58	44	MB	EN19
VE4KX	6	1,715	49	35	MB	EO00
VE6CPP	6	42	7	6	AB	DN39
VE7DXG	A	16,077	176	69	BC	CN88
VE7DAY	A	1,764	54	28	BC	CO70
VE7WWW	A	18	6	2	BC	CO90
VA7ST	6	12	4	3	BC	DO00
VE7JRX	2	12	3	2	BC	CN89
VE7NI	2	2	1	1	BC	CO90
VE7JP	M	900	35	18	BC	CN88
VE9ZX	6	6,322	109	58	NB	FN65
VE9MY	6	4,641	91	51	NB	FN75
VE2PIJ/VE9	R	108	12	9		2
VY2SS	A	4,450	88	50	PE	FN76

MEXICO

XE2NS	A	5,252	100	52	DL95
XE2MVS	A	234	17	13	DL95
XE2WWW	6	14,141	179	79	EL06
XE1GZU	6	209	19	11	DL80
XE1FZE	6	66	11	6	DL80
XE2WK	M	13,114	158	83	EL03

TURKS AND CAICOS

VP5OV	6	7,102	134	53	FL31
					(Op: W5CW)

AFRICA
CANARY ISLANDS

EA8AQV	6	10,934	142	77	IL28
EA8ACW	6	4,536	81	56	IL28

MADEIRA ISLAND

CT3FQ	6	18,746	182	103	IM12
CR3L	6	11,929	151	79	IM12
					(Op: DJ6QT)
CT3BD	6	352	22	16	IM12
CT3DZ	2	320	20	8	IM12
CT3KY/P	2	204	17	6	IM12

MOROCCO

CN8KD	6	7,956	117	68	IM63

ASIA
ASIATIC RUSSIA

RZ9CJ	2	6	3	1	MO06
RV9CQ/P	Q*	4	2	1	MO06
UA9CBB	Q	4	2	1	MO06

ASIATIC TURKEY

TA2AD	A	22,896	181	106	KN51
TA7OM	6	3,264	64	51	KN90

CHINA

BA4TB	6	175	25	7	PM01
BG7NFM	6	30	6	5	PM02

CYPRUS

C4N	M	13,468	148	91	KM65

CYPRUS – UK SOV. BASE AREAS

ZC4LI	6	1,908	53	36	KM64

HONG KONG

VR2XLN	6	1,890	90	21	OL72

JAPAN

JA6WFM	6	2,465	85	29	PM52
JA4EPE	6	2,204	76	29	PM53
JA1BK	6	144	12	12	PM95
JA7IC	6	96	12	8	QM07
JI1HFJ	6	30	6	5	PM95
JA6DIJ	6	9	3	3	PM52
JF1UCV/2	Q*	2,667	84	21	PM95
JA2MWV	Q	162	18	9	PM84
JF2MBF	Q	49	7	7	PM85
JP1HUJ	Q	4	2	2	PM95

THAILAND

HS0AC	6	5,882	173	34	OK03
					(Op: HS2JFW)
E22HUV	2	6,462	359	9	OK03
HS4DDQ	2	5,364	298	9	OK03
HS4FYJ	2	5,022	279	9	OK03
HS8LUR	2	3,962	283	7	NJ99
E29MFJ	2	2,660	190	7	OK03
HS8LLS	2	1,776	148	6	NJ98
HS4NOR	2	1,566	87	9	OK16
HS9FNY	2	960	120	4	OJ06
HS8JYX	2	910	91	5	NJ98
HS8JNF	2	890	89	5	NJ98
HS4NGK	2	864	54	8	OK17
E27BZJ	2	512	64	4	OJ07
E21EIC	2	490	49	5	OK03
HS3LSE	2	464	29	8	OK14
HS3NWD	2	240	30	4	OK14

E21YDP	2	186	31	3	OK03
HS0XNO	2	88	22	2	OK03
HS1JNB	2	76	19	2	OK03
E21QEB	2	60	15	2	OK03
HSØEHF	2	40	10	2	OK03
E22HMR/P	**Q***	**5,902**	**227**	**13**	**OK04**
E2ØXMG/P	**Q***	**12**	**6**	**1**	**NK94**
HS5WWW	**M**	**12,888**	**358**	**18**	**OK04**
HS1EFA	**M**	**11,472**	**478**	**12**	**OK03**
HS3AB	**M**	**10,526**	**277**	**19**	**OK14**
HS8KFW	**M**	**8,604**	**478**	**9**	**NJ99**
E22FVA	**M**	**6,754**	**307**	**11**	**OK04**
HS3VCQ	**M**	**5,588**	**254**	**11**	**OK16**
HS4AK	**M**	**4,928**	**224**	**11**	**OK16**
HS4RWY	**M**	**4,848**	**202**	**12**	**OK16**
HS1IWX	**M**	**4,796**	**218**	**11**	**OK03**
HS7AT	**M**	**4,224**	**264**	**8**	**OK03**
HS3TOT	**M**	**4,108**	**158**	**13**	**OK06**
HS8SGG	**M**	**3,828**	**319**	**6**	**NJ98**
EØYXF	**M**	**3,094**	**221**	**7**	**OK03**
HS3QGB	M	2,672	334	4	OK03
HS9MMM	**M**	**2,508**	**209**	**6**	**OJ07**
HS9UHZ	**M**	**2,292**	**191**	**6**	**OJ07**
HS8YRY	M	1,708	122	7	OK03
HS3AS	**M**	**1,692**	**94**	**9**	**OK14**
HS9OYG	**M**	**1,630**	**163**	**5**	**NJ99**
HS3TWH	M	1,442	103	7	OK14
HS4UXB	M	708	118	3	OK03
HS8VZW	M	498	83	3	NJ98

WEST MALAYSIA

9M2CQC	**2**	**12**	**6**	**1**	**OJ06**

EUROPE

AUSTRIA

OE4VIE	**A**	**6,612**	**88**	**58**	**JN87**
OE1SOW	**2**	**640**	**20**	**16**	**JN88**
OE1CWA	**Q***	**528**	**24**	**11**	**JN78**

BELGIUM

ON6NL	**M**	**5,336**	**75**	**58**	**JO21**

BULGARIA

LZ2SC	**6**	**672**	**28**	**24**	**KN33**

CROATIA

9A3QB	**A**	**3,219**	**57**	**37**	**JN95**
9A6AIB	A	162	15	6	JN85

CZECH REPUBLIC

OK1DC	**A**	**36,472**	**233**	**97**	**JN69**
OK1KZ	**A**	**2,109**	**64**	**19**	**JO70**
OK1FRG	**6**	**10,062**	**129**	**78**	**JN79**
OK1DRX	6	609	29	21	JN79
OK1KIM	**M**	**87,904**	**379**	**134**	**JO60**
OK1KNG	**M**	**9,765**	**126**	**63**	**JN69**

ENGLAND

GØLGS	**A**	**231**	**18**	**11**	**IO81**
G4JSR	**Q**	**432**	**28**	**9**	**IO82**

ESTONIA

ES2BH	**6**	**952**	**34**	**28**	**KO29**
ES5NHC	**2**	**2**	**1**	**1**	**KO38**
ES1WST	**Q**	**169**	**13**	**13**	**KO29**
ES5EC	**M**	**8,777**	**112**	**67**	**KO38**

EUROPEAN RUSSIA

RU3GX	**2**	**1,880**	**47**	**20**	**KO92**
RA6A	**2**	**1,406**	**37**	**19**	**KN96**
RW7A	**2**	**918**	**27**	**17**	**KN95**
RL3DO	**2**	**726**	**33**	**11**	**KO85**
RV6BK	**2**	**504**	**21**	**12**	**LN05**
UA4API	**2**	**504**	**18**	**14**	**LO20**
RX6DM	**2**	**462**	**21**	**11**	**KN85**
RX6DX	2	360	18	10	KN95
RN6CG	2	132	11	6	KN95
UA4AQL	2	98	7	7	LO20
RX6CW	2	64	8	4	KN95
RN3QRY	**2**	**40**	**5**	**4**	**KO91**
RA4FER	**2**	**36**	**6**	**3**	**LO23**
RU3XK	**2**	**12**	**6**	**1**	**KO73**
UA4BI	**2**	**8**	**2**	**2**	**LN28**
UA6LP	**Q***	**456**	**19**	**12**	**KN97**
UA3RUF	**Q**	**952**	**34**	**14**	**LO02**
RA6HHT	**Q**	**864**	**27**	**16**	**LN05**
RW6AH	Q	360	18	10	LN05
UA7C	**Q**	**324**	**18**	**9**	**KN95**
RC6LA	**Q**	**48**	**6**	**4**	**KN97**
					(Op: UA6LPR)
RK6ARD	**M**	**520**	**20**	**13**	**LN05**
RK9CZQ	**M**	**6**	**3**	**1**	**MO06**

FINLAND

OH3DP	**6**	**1,140**	**38**	**30**	**KP10**

GERMANY

DL2OM	**A**	**19,488**	**158**	**84**	**JO30**
DK5DQ	**2**	**19,686**	**193**	**51**	**JO31**
DL1DBR	**2**	**728**	**26**	**14**	**JO41**
DH5MM	**Q**	**270**	**16**	**15**	**JO52**
DL1ET	**Q**	**208**	**14**	**13**	**JO31**

GREECE

SV2FLQ	**6**	**9**	**3**	**3**	**KN10**

HUNGARY

HA1ZH	**A**	**6,784**	**91**	**53**	**JN86**
HA3DX	**6**	**14,880**	**160**	**93**	**JN96**
					(Op: HA4XH)
HA7LW	**6**	**1,813**	**49**	**37**	**JN97**
HA6VW/P	**2**	**16,512**	**192**	**43**	**JN97**
HA2VR/P	**Q***	**4,192**	**76**	**32**	**JN87**
HA5OT/P	**Q***	**2,160**	**60**	**18**	**JN87**
HA5CQZ/P	**Q***	**1,638**	**63**	**13**	**JN97**
HA5AZC/P	**Q***	**1,463**	**44**	**19**	**JN97**
HA5TI/P	**Q***	**1,092**	**39**	**14**	**JN97**

KALININGRAD

RU2FM	**2**	**98**	**7**	**7**	**KO04**
UA2FL	**Q**	**8**	**2**	**2**	**KO04**

LATVIA

YL3DR	**A**	**3,243**	**56**	**47**	**KO26**
YL2NS	A	750	28	25	KO26
YL2FZ	**6**	**7,208**	**106**	**68**	**KO37**
YL2TQ	6	2,880	60	48	KO37
YL2CP	**6**	**1,968**	**48**	**41**	**KO27**
YL2PJ	**6**	**1,110**	**37**	**30**	**KO36**
YL2EC	**6**	**154**	**14**	**11**	**KO06**

LITHUANIA

LY3M	**6**	**891**	**33**	**27**	**KO25**
LY2SA	**6**	**672**	**28**	**24**	**KO14**
LY2FN	**Q**	**520**	**26**	**20**	**KO14**

MARITIME MOBILE REGION 1

YO4RYU/MM	**R**	**79,365**	**387**	**195**	**6**

MOLDOVA

ER1LW	**6**	**5,782**	**98**	**59**	**KN46**
ER1DA	**6**	**1,107**	**41**	**27**	**KN47**

MONTENEGRO

4O3A	**A**	**1,026**	**34**	**27**	**JN92**

NORWAY

LA2OKA	**6**	**165**	**15**	**11**	**JP53**

POLAND

SP7VC	**6**	**224**	**16**	**14**	**JO91**
SN3R	**M**	**8,364**	**102**	**41**	**JO71**

PORTUGAL

CT1HAR	**A**	**1,012**	**39**	**23**	**IN51**
CR5M	**Q**	**234**	**17**	**13**	**IN61**
CT1DZY	**6**	**572**	**26**	**22**	**IN51**

ROMANIA

YO8DDP	**A**	**2,046**	**53**	**33**	**KN36**
YO4HAB	**6**	**464**	**29**	**16**	**KN45**
YO6ADW	**6**	**49**	**7**	**7**	**KN36**
YO4BTB	**6**	**1**	**1**	**1**	**KN34**
YR5T	**M**	**408**	**24**	**17**	**KN27**
					(Op: YO5CBX)

SERBIA

YU7TRI	**2**	**4,060**	**70**	**29**	**KN04**
YU2DX	**Q**	**6,256**	**86**	**46**	**KN04**

SICILY

IT9BLB	**6**	**910**	**35**	**26**	**JM68**
IT9VDQ/9	**2**	**4,256**	**76**	**28**	**JM68**

SLOVAK REPUBLIC

OM9ACA	**A**	**3,977**	**60**	**41**	**JN88**
OM4XA	**6**	**825**	**33**	**25**	**JN98**

SLOVENIA

S53N	**6**	**12,865**	**155**	**83**	**JN65**

SWEDEN

SA1A	**6**	**1,160**	**40**	**29**	**JO97**
					(Op: SM1TDE)
SM5QU	**6**	**320**	**20**	**16**	**JO99**
SM5DQE	**6**	**156**	**13**	**12**	**JO89**
SMØFM	6	49	7	7	JO99
SM5CSS	6	36	6	6	JO89
SK6HD	**6**	**1**	**1**	**1**	**JO68**
					(Op: SM6FKF)
SM7I	**2**	**4**	**2**	**1**	**JO65**
SM6WET	**M**	**357**	**21**	**17**	**JO68**

SPAIN

EA2TQ/1	**A**	**26,384**	**180**	**97**	**IN83**
EA3AKY	**6**	**45,619**	**343**	**133**	**JN11**
EA5GF	**6**	**12,768**	**168**	**76**	**IM98**
EA2ARD	**6**	**10,395**	**135**	**77**	**IN93**
EA5YU	**6**	**9,230**	**130**	**71**	**IM97**
EA5DIT	**6**	**3,763**	**71**	**53**	**IM99**
AM3TC	**6**	**168**	**14**	**12**	**JN01**
					(Op: EB3TC)
EB1EWE	**6**	**81**	**9**	**9**	**IN53**
EA3FHP	**6**	**25**	**5**	**5**	**JN11**
EA4CWN	**6**	**1**	**1**	**1**	**IM89**
EB2RA	**6**	**1**	**1**	**1**	**IN92**
AO1GHE	**Q***	**608**	**32**	**19**	**IN62**
EA3MM	**M**	**7,638**	**114**	**67**	**JN11**

THE NETHERLANDS

PA5WT	**6**	**2,976**	**62**	**48**	**JO22**
PA1W	**6**	**36**	**6**	**6**	**JO21**

UKRAINE

UY1HY	**A**	**17,622**	**153**	**99**	**KO60**
UY5QO	**A**	**2,176**	**46**	**34**	**KN77**
UT8IM	**A**	**1,836**	**44**	**36**	**KN87**
UT2UU	A	396	20	11	KO50
UZ7U	**6**	**12,665**	**149**	**85**	**KO50**
UT4UO	6	4,785	87	55	KO50
UT7UW/P	**6**	**2,795**	**65**	**43**	**KN58**
UT5ERP	**6**	**2,106**	**54**	**39**	**KN77**
UWØK	**6**	**744**	**31**	**24**	**KO30**
UU6JJ	**6**	**504**	**24**	**21**	**KN75**
UT1IA	**6**	**399**	**21**	**19**	**KN87**
UT5JCW	**2**	**6,450**	**75**	**43**	**KN64**
US8ZAL	**2**	**4,550**	**65**	**35**	**KN66**
UT5DV	**2**	**2,700**	**54**	**25**	**KN18**
UR3EE	**2**	**2,688**	**48**	**28**	**KN88**
UR5UI	**2**	**1,302**	**31**	**21**	**KN59**
UR4QZZ	**2**	**1,224**	**36**	**17**	**KN77**
UT3EK	**2**	**936**	**26**	**18**	**KN78**
URØEQ	2	520	20	13	KN78
UZ2HZ	**2**	**280**	**14**	**10**	**KN69**
UT3LL	**2**	**270**	**15**	**9**	**KO80**
UR5IOT	2	250	25	5	KN88
UR5LX	**2**	**240**	**12**	**10**	**KO70**
UR7INK	2	230	23	5	KN88
UR6EC	2	176	11	8	KN78
US5ID/P	**Q***	**270**	**27**	**5**	**KN98**
UU6JF/P	**Q***	**8**	**2**	**2**	**KN85**
UT5UUV	**Q**	**1,587**	**37**	**23**	**KO50**
UT5ST	**Q**	**1,428**	**34**	**21**	**KN28**
UT2IJ	**Q**	**536**	**35**	**8**	**LN08**
UT5IZ	**Q**	**231**	**18**	**7**	**KN88**
UT6IO	**Q**	**168**	**13**	**8**	**KN97**
UU7JR	**Q**	**40**	**5**	**5**	**KN74**
UTØIC	**Q**	**6**	**2**	**2**	**KN87**
UX2SB	Q	456	19	12	KN28
US7IIZ	**Q**	**384**	**32**	**6**	**KN98**
UT3IK	Q	360	30	6	KN98
US5IVL	Q	312	26	6	KN88
UY2IW	Q	288	24	6	KN98
US7IL	Q	270	27	5	KN98
UX7IT	Q	260	26	5	KN98
US5IW	Q	240	24	5	KN88
UY2ID	Q	230	23	5	KN98
US1IJ	Q	210	21	5	KN97
UY9IA	Q	190	19	5	KN98
URØIM	Q	180	18	5	KN88
US7IPJ	Q	170	17	5	KN87
US5IFL	Q	90	15	3	KN98
UR3IU	Q	72	9	4	KN88
US5MPO	Q	66	11	3	KN98
UX2IO	**Q**	**48**	**6**	**4**	**KN86**
UR4IN	Q	40	5	4	KN86
UR3IDY	Q	12	3	2	KN88
UR5EEA	**Q**	**12**	**3**	**2**	**KN78**
UR5IBB	Q	12	3	2	KN88
US8ITS	Q	12	3	2	KN98
US2IR	Q	4	2	1	KN98
UT1I	**M**	**162,162**	**563**	**189**	**KN98**
UR7D	**M**	**141,576**	**445**	**204**	**KN18**
UT7E	**M**	**29,988**	**203**	**126**	**KN78**
UT1IWF	**M**	**5,580**	**98**	**30**	**KN88**
UZ2I	**M**	**3,621**	**71**	**51**	**KN86**
UT4UWR	**M**	**3,569**	**65**	**43**	**KN77**
UZ2E	M	2,100	42	25	KN78
US3ITU	**R**	**17,248**	**154**	**56**	**9**
US6IF	R	600	23	15	4

SOUTH AMERICA

ARGENTINA

LU1BJW	**6**	**4**	**4**	**1**	**GF05**
LU8ADX	6	3	3	1	GF05
LU2UF	**2**	**28**	**7**	**2**	**FF73**
LU1UBJ	2	4	2	1	FF73
LU1UDD	**2**	**2**	**1**	**1**	**FF83**
LU5UBI	**Q***	**2**	**1**	**1**	**FF73**
LU2UE	**Q**	**2**	**2**	**2**	**FF73**
LU2MCA	**R**	**320**	**17**	**10**	**6**

BRAZIL

PY2NF	**A**	**245**	**22**	**7**	**GG66**
PY2LCD	A	180	18	6	GG66
PY2REK	**A**	**33**	**6**	**3**	**GG65**
PV8AZ	**6**	**8**	**4**	**2**	**FJ92**
PU8TEP	**Q**	**2**	**2**	**1**	**FJ92**

CHECK LOGS

The following submitted check logs: HA7PL, K7RXC, K9JU, KA1RI, KB1RDE, LU1UAB, NØJK, OK1XC, SP7AWG, UR7IM, US2IEP, US5IRC, UTØLWW, UT2IV, UT7IL, UX1IW, UY3IO, VE7HLW, WA3AAN, XV9DT, YO3FOU.