Results of the 2008 CQ WW VHF Contest

BY JOHN LINDHOLM,* W1XX

"Six meters is like a box of chocolates. You never know what you're gonna get.
—KCØDEB

It was 1800 hours UTC Saturday, July 19, 2008, the scene of the starting flag for the CQ WW VHF Contest, when "Gentlemen (and ladies), start your radios" was heard S9 throughout the amateur radio world. There was Gene, KB7Q, revving up his radios in Yellowstone Park, Wyoming (DN44). Mike, KB7ME, was making good on his promise of last year to operate portable from rare square DN02 in Lake County, Oregon. California rovers K6EU, WA6KLK, K6JRA, and W6KA were dispensing "almost all water grids" CM86, CM87, CM94, and DM03 to the delight of West Coast contesters. Jon, K1NV, was experiencing fine openings to the east on 6 meters, operating portable 7 from a ghost town in the Nevada desert (DM17). Andrew, W2AJM, operating this, his favorite contest, from FN21 was busy on 6 meters snagging no less than three South Dakota stations for a new state—all in different grid squares. Zoli, HA5CQZ/P, was harmonizing CQ VHF to the Summits on the Air (SOTA) program from Mt. Muzsla (HA/EM-006) at 805 meters ASL running an FT-817 and 6-element Yagi on 2 meters. So began the 2008 CQ VHF Contest for some of the 532 entrants submitting logs.

Conditions: Creamy Vanilla or Chewy Taffy?

Band conditions are always a mixed bag, reported by some as dead as a doornail while others experience double-hop across the continent. Here's a North American sampling from those who experienced some of the brighter moments:

"Highlights for me in CM87 were working KB7ME in DN02 for a new grid on 2 meters and via tropo with meteor scatter pings to work KG6IYN in DM12." – *AJ6T.* "Conditions improved a lot on Sunday with 6-meter openings first to the northeast and later to the northwest. Plus we made 17 two-meter EME contacts for 17 rare grids we could not have worked otherwise." – *K5QE.* "At times 6 meters had wall to wall signals, but then 'poof,' they'd be gone only to reappear two minutes later. Love this band." – *NØHF.* "Some decent 6-meter *E*-skip on the east coast six hours into the contest on Saturday and then again early Sunday morning, but none Sunday afternoon." – *N3UM.* "What a terrific Saturday evening with the whole Midwest barreling into northern New Jersey." – *WB2LEB.* "At 2315Z I had not made a single 6-meter *E*-skip contact and was starting to think the contest might be a bust, but then,VO1NO in GN19 answered my CQ, followed by Gulf Coast stations popping in. For the next three-plus hours, the band was open to various spots in the Midwest and some double hop to California and the DN grids." – *K1TEO.*

On the DX side of the ledger, in what is surely the first entry in this contest from Guam, KG6DX in QK23 had "a nice opening to Japan" during the 23Z hour for a 6-meter run of 62 JAs in 22 grids plus one in South Korea." Nice going, Joel. Meanwhile CQ VHF stalwart Julio, NP3CW, "worked around 85 stations on 6 meters in North America and the Caribbean in a bunch of grid squares just days before the contest, but 'nada' during the contest." In Europe, perennial multi-op winner OK1KIM summed up the situation with: "We made a few 2-meter meteor-scatter contacts but our 86 LOC total is our lowest ever, as there was no elevated propagation. Even though our effort turned into

Expanded CQ WW VHF Contest Results

For a listing of the ops and grids activated by the rover stations in the 2008 contest, plus the operators of the multi stations, go to <www.cq-amateur-radio.com>, to the Contests section, to "Expanded Results of the 2008 CQ WW VHF Contest."

With a third-place SOAB effort, KG6IYN, operating portable from extreme southern California, proved you can score big on the "left coast." Here Bruce is putting the finishing touches on a pair of Cushcraft 13-element Yagis for 2 meters, and yes, both gammas were up.

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Ninety-nine percent of EN67 in Michigan's UP is in Lake Superior. Thus, Craig, K9CT (left), and Larry, N9LR (right), multi-op'd portable station N9LR on Mt. Brockway's terra firma, running 100 watts on both bands to Yagis on a 50-foot trailer-mounted tower.

more of a 'social gathering,' we hope our multi victory is still secure." It is!

Single-Op Top Scores

The scores never tell the whole story, as philosophically summarized by Pierre, PJ2BVU: "The important thing is not to necessarily win, but to take part." Thus, winning can be in the eye of the beholder. Notwithstanding, 259 handsome CQ certificates were earned by entrants, nearly 50% of the entry base.

In the USA, Bob, K2DRH, continued his mastery over the SOAB (Single Op All Band) category with just under 160K points, getting his station back together just in time following some significant hardware failures. Jeff, K1TEO, with just a part-time effort, displaying his operating prowess, finished second. Bruce, KG6IYN, was a nice surprise, finishing third with 69K, the second highest score ever from California, just short of the 6-land record of 75K set by W3SE in 2000. The aforementioned KB7ME in Oregon scored the third highest 7-land score ever with 19K points.

In the USA 6-meters-only category, Lefty again piloted his K1TOL station to top honors and second highest USA score of 82K. Ken, WM5R, guest op'd the multi-array station K5TR to a solid second place with 69K. Chuck, W5PR, and Tom, WD5K, were in a virtual tie for third and fourth place at 61K. W3BD, operated by George (N3GH), got the highest score ever from 3-land in this category. A glance at the top scorers box for 6 meters shows that 5-landers dominated, taking seven out of the top ten scores.

The 2-meters-only category was largely shunned in North America with only two U.S. and one Canadian entry. But the category continues big in Thailand, although scores there were not as big as in previous years; HS6RMY was tops with 10K points in 19 grid locators. Europe produced some good 2-meter scores with HA6VV/P tops with 27K, followed by perennial winner DK5DQ with 21K.

Further on the DX side, DL2OM captured the SOAB top score with 20K, edg-

QSO LEADERS BY BAND

WORLD

Single-Op 50 MHz

E77EY	324
W4TAA/VE3	197
ZC4LI	193
EA3AKY	168

144 MHz

HS8LUR	297
HS6RMY	268
HA6VV/P	265
DK5DQ	200
OK1KZE	188

Multi-Op 50 MHz

C4N	290
OK1KIM	125
UT1IC	50

144 MHz

HS0IAQ	506
HS8KFW	429
OK1KIM	399
HS1AXC	384
E22YS	382

USA

Single-Op 50 MHz

K1TOL	480
K5TR	449
K2DRH	440
W5PR	420
WD5K	388
KG6IYN	314
K2PLF	311
KA1LMR	303
K1TEO	297
W1XX	286
W1XX	98
KE2N	92
K4QI	77
K2PLF	76

144 MHz

K2DRH	178
K1TEO	134
WB9Z	113
KG6IYN	100
N8RA	98

Multi-Op 50 MHz

K5QE	596
K8GP	432
KB1DFB	406
KA2LIM	354
W3SO	320

144 MHz

K8GP	307
W3SO	211
K5QE	193
KB1DFB	145
KA2LIM	106

Ocean State 2-Meter FM Simplex Challenge

By Bill Champaigne, N1HRA*

The concept of a 2-meter FM simplex contest was hatched within the confines of an Amateur Radio Emergency Service (ARES) group in Charlestown, Rhode Island. The objective was to test FM simplex coverage in support of the local Emergency Management Agency. Further, with many newly licensed hams confined to 2-meter FM, training in making rapid-fire QSOs was desired. In stepped the established CTRI Contest Group as sponsor of a now statewide (and more) competition.

Research on the web revealed similar activities by clubs in Milwaukee and the Twin Cities, which provided valuable guidance in drawing up rules for the so-called *challenge.* Running concurrent with the CQ WW VHF Contest would assure some level of success, which proved accurate. To concentrate activity, seven so-called *focus hours* split between Saturday evening and Sunday afternoon were incorporated into the rules. Geographical boundaries of local grid squares, as the default VHF contest exchange, was provided along with a list of 3-letter abbreviations for the 39 statewide cities and towns which was also included in the exchange. Multipliers were cities/towns, plus grid squares, plus other states. Acting as a wild card were bonus points for working the CTRI club call, WA1RR, which was active during each of the focus hours from seven different locations scattered across the state. To further ARES purposes, bonus points were also offered for operating as least some of the time on battery/generator/solar. The rules and entry forms for e-mail submission in MS Word format were posted on the club website.

The results were gratifying. At least 38 stations participated with activity reported in 21 RI cities/towns, six grid squares, and four states plus three rovers and a maritime mobile. Almost all of the stations active had never operated in a contest before, or very little. Gaining familiarity with grid squares was a positive result.

The results were e-mailed to each contestant and posted on the club website with certificates being mailed to all who submitted logs.

Many newcomers were exposed to the joy of contest operating with the added potential of gaining some additional members for the club. Other groups may want to tap this potential source of contest operators.

**Vice President, CTRI Contest Group*

The Carolina DX Association operated N4BX in North Carolina's FM13, another almost all-water grid bordering the Atlantic seaboard. Besides experiencing good propogation on 6, thanks perhaps to tropical storm Cristobal, the 2-meter EME array yielded a QSO with an OZ in Europe.

ing out OK1DC with 18K. E77EY earned the third highest 6-meters-only score ever from Europe with 42K.

Hilltoppers and QRP

The Hilltopper category is now more popular overseas than it is in North America. By definition, a Hilltopper must meet three conditions: operate portable, run QRP, and limit the operation to no more than six hours continuous. This accommodates especially those who may backpack to isolated high spots where it may be difficult to overnight. Multiple entries were received from Thailand, Hungary, and Ukraine. E75DX far outdistanced the competition with 81Qs in 50 LOCs. W9SZ topped the USA entries.

QRP stations are limited to 10 watts output and can operate full time from home or portable. All 24 entries from European Russia were QRP, as well as 29 entries from Ukraine. All 2-meter single-op stations in Thailand were also QRP. HA1ZH was the top DX QRP station with 9K points. In the USA, Chris (KA1LMR) again paced the QRP field with 44K with Curt (K9AKS) again finishing second.

Multi-Op Scores

There were lots of multi-operator stations on with the Texans at K5QE besting all other North Americans. Their 218K score was the third highest ever in 5-land. The highest score ever from 2-land, 86K, was posted by KA2LIM, and the second highest New England score ever, 92K, was submitted by the Connecticut crew at KB1DFB. K8GP, now sporting the Delmarva VHF Society moniker, scored the highest 4-land score ever with 176K. On the DX side, C4N from Cyprus came through with the third highest score ever from Asia, 46K. Meanwhile, the OK1KIM group continued their multi domination of the contest from Europe with 125K, as they had done in 2004, '05, and '06. Last year's winner, UT1IC, finished third, with Thailand's HSØIAQ coming in fourth utilizing 2 meters only.

Rover Scores

In the simplified two-band format of this contest, rover stations can be outfitted for action on short notice and with reasonable effort. They can constitute a significant portion of the score registered by a fixed station making a serious effort. In North America, certificates are issued based on a regional basis to recognize their valuable contributions. The top five scores worldwide were made by these rover stations: WB3BEL, WB8BZK, N9TTX, VE3CRU, and WAØVPJ.

Contest Management

Putting on a worldwide contest is very much a team effort. For example, 2008 saw a remarkable upsurge in log submissions from Ukraine and European Russia. Pre-contest coordination among the clubs in Ukraine by Yuri, UT1IC, paid huge dividends. His eastern EU contacts yielded Victor, UA6EM, who oversaw the Cabrillo submission of many UA logs. Bringing about the usual S9-plus activity from Thailand was Champ, E21EIC, who received some extra help from E20PFE and HS8KGG in converting paper logs to e-submissions. In South America, Flavio (PY2ZX) helped stir the initial signs of contest activity there, along with translating the rules into Portuguese and Spanish. Others known to have helped internationally are DL8EBW, JF1ICQ, G4DWZ, and still others who have done so with little or no fanfare.

I can't say enough about the assistance provided by Steve, N8BJQ, who produced all the scores and statistics from the log-checking program. Trey, N5KO, monitored the log submissions robot. Jon, K9JK, converted the paper logs to e-submissions using the WA7BNM CabForms. This contest does attract many casual entrants who thankfully availed themselves of the WA7BNM on-line post entry

TOP SCORES
WORLD

All Band
DL2OM 20,251
OK1DC 18,395
IW2NOD 11,100
AO6VQ 5,754

6 Meters
E77EY 42,768
ZC4LI.....21,230
W4TAA/VE3 .19,897
EA3AKY.....17,472

2 Meters
HA6VV/P 27,030
DK5DQ 21,600
OK1KZE 17,672
S53N.....13,158
HS6RMY.....10,184
9A4VM.....8,062

Hilltopper
E75DX 5,700

HA2VR/P 4,278
DL2SAX/P 4,012
GW8ZRE/P.....2,898

QRP
HA1ZH.....9,216
VE3TLT 2,108

Rover
VE3CRU.....18,612
E20YLM.....864
US1IAA.....396

Multi-Op
OK1KIM.....125,528
C4N 46,110
UT1IC 13,034
HSØIAQ 12,144
HS1AXC 9,984
E22YS 8,404
HS8KFW.....6,864

USA

All Band
K2DRH 159,996
K1TEO.....75,710
KG6IYN 69,390
W1XX 57,840
K2PLF.....56,023
WB9Z.....50,032
KØKP 31,086
KE2N 29,050
K4QI 28,314
N8RA 26,892

6 Meters
K1TOL 82,080
K5TR 69,146
W5PR 61,740
WD5K 61,304
AE5T.....28,896
W5WVO.....25,957
W3BD 22,357
K5MV.....16,037
K3FM 8,806
WA1UJU.....7,840

2 Meters
KX4R 1,276

Hilltopper
W9SZ.....1,944
K1ZE.....1,722

QRP
KA1LMR 44,619
K9AKS 13,090
KO9A 7,854
W3EP 6,811
N9TF.....4,864
N8XA 2,808
NØKIS 2,613

Rover
WB3BEL 56,882
WB8BZK.....41,724
N9TTX 22,464
WAØVPJ 14,691

Multi-Op
K5QE 218,986
K8GP 176,774
W3SO 108,332
KB1DFB.....92,568
KA2LIM.....86,032

GRID MULTIPLIER LEADERS BY BAND

WORLD

Single-Op

50 MHz

E77EY.....132
ZC4LI.....110
EA3AKY.....104
W4TAA/VE3.....101

144 MHz

DL2OM.....60
DK5DQ.....54
HA6VV/P.....51
OK1KZE.....47
S53N.....43

Multi-Op

50 MHz

C4N.....138
OK1KIM.....50
UT1IC.....30

144 MHz

OK1KIM.....86
UT1IC.....19
UW3E.....16

USA

Single-Op

50 MHz

K1TOL.....171
WD5K.....158
K5TR.....154
K2DRH.....151
W5PR.....147
KG6IYN.....112
AE5T.....112
W5WVO.....101

144 MHz

K2DRH.....50
WB9Z.....42
K1TEO.....36
K4QI.....32
K4LY.....29

Multi-Op

50 MHz

K5QE.....170
KA2LIM.....117
K8GP.....111
KB1DFB.....107

144 MHz

K8GP.....58
K5QE.....53
W3SO.....49
KA2LIM.....35
KB1DFB.....26

service. Thanks, Bruce! K9JK also produced all the certificates for 2007, sent out prior to the 2008 contest. Curt, K9AKS, provided historical perspective that aided in reporting these results. The contest website (www.cqww-vhf.com) has been restructured and maintained by Randy, K5ZD, in conformity with the family of CQ WW contests. Thanks to all.

Of course, the real heroes are the stations on the air. A look at the statistics indicates: log submissions were up 19% from 2007 and within 94% of the record-breaking year 2006; total number of stations active 9158; a total of 42,092 claimed QSOs; total number of grids activated 853. This represents an overall 12% increase in activity from 2007. Bottom line: This contest is quite healthy, and has the potential to only get better as it continues to appeal to mainstream 6- and 2-meter operators.

With 100% of logs checked, the following error rates were revealed: invalid or "not in log" 1.7%; dupes (claimed as valid) 0.4%; "busted calls" 1.4%; overall error rate of 3.6%, up slightly from the prior year. Thanks to all entrants for the obvious care exhibited in logging contacts and in submitting their logs in Cabrillo format.

The plaque program has been put on hold. The initial bulk order supplied by the vendor has all been issued as of the 2007 contest. Costs have increased for a reorder, so other less-expensive alternatives are being explored. Whether the program should be continued depends on new donors, especially clubs, stepping forward. Continuing to tap the well of previous donors somehow doesn't seem appropriate. Your comments on this are welcomed.

An editorial explanation: The Contest Quahogs of Rhode Island (CQRI) in past years have provided a review of this contest. Because of a severe nor'easter ice storm, the scheduled meeting date was postponed indefinitely. Thus, the CQRI members, including the Old Timer, are seeing this report for the first time.

As the checkered flag has marked the end of the 2008 contest and this report, we look ahead to the 2009 CQ WW VHF Contest, scheduled for July 18–19. The full announcement will appear in the June issue of *CQ*, on the CQ website (www.cq-amateur-radio.com), and on the VHF Contest website (www.cqww-vhf.com). See you all then.

73, John, W1XX

QRM

Enjoyed the first two hours of the contest with one QSO per minute, but Sunday with poor conditions, very few contacts made … **EA3AKY.** I got chased off the hill after only three hours of Hilltopper time … **K1ZE.** VHF QRP is fun! ... **K3TW.** Big day for the 6-meter single-element V-beam and the 2-meter Moxon with 2.5 watts on both bands. The evening brought propagation delights on both bands … **K4TRT.** The *E*-skip covered a surprisingly broad range over the country with at least one QSO in every grid field in the lower 48 except DL. I slept until 6 AM on Sunday only to find 6 meters open to 3-land. Best DX was VA6AN in DO33 … **K5TR (WM5R, Op).** This was only my 2nd effort on 6 meters using my new FT-450. I'm still using HF wire antennas but looking forward to putting up a 6-meter ground plane. Best DX was Indiana … **K6CSL.** What a great decision to go QRP again. Signals were 60 dB out of the east. Only one station I called didn't hear me … **KCØRQH.** I enjoyed the contest and was pleased to win a certificate in 2007. Let's hope for more UK entries by backpackers activity sponsored by the RSGB … **GW8ZRE/P.** The Hilltoppers were mainly active over here … **HA2MN.** Few stations participating in Japan but looking forward to more JAs active next year … **JO7UEB.** Not a high QSO count but visited 10 different grid squares in five states: AR, LA, MS, MO & TN. Most Qs were in MS and the 5th call area … **K9JK/R.** Had a lot of fun … **KD5WGM.** I operated single-op from a campground in North Carolina running 10 watts on 2 meters with an IC-706 to a homebrew Moxon rectangle. On 6 meters I ran 8 watts to a homebrew copper halo with both antennas on a paint-pole 18 feet above the bed of the truck … **KI4SYR.** I operated in the Hilltopper class from the Topeka, Kansas hospital parking garage roof during some breaks from work with just a quarter-wave whip. W5WVO and K5TR had huge signals. Stations in Texas, New Mexico, and Arizona were very loud … **NØJK.** This was my first time to operate QRP portable**.** I had a lot of fun combining camping and amateur radio … **NØKIS.** Nice band openings made for a lot of fun … **N1ZN.** Nice to see some Brazilian stations active in the CQ WW VHF … **PP2XX.** This was my first contest from my new QTH in FN36 … **VE2PIJ.** My callsign, "VE3AAQ Mobile W1 Rover" was the longest and most confusing callsign I have ever used … **VE3AAQ.** I finally got the chance to operate the contest from my home province. I set up a small Yagi at my parent's lakeside cottage in western Newfoundland and had a few patchy openings. I could have given out GN19 to more people if they would only swing their beams my way … **VO1NO.** Propagation was not great, but I still had fun … **W4FRA.** A fun weekend with some good *E*-skip, but nothing like 2006. But then, what is? ... **W5WVO.** The weather was perfect and conditions weren't terrible. I guess I couldn't ask for much more. I enjoy the Hilltopper category. I didn't even mind being invaded by June bugs … **W9SZ.** I could hardly believe it when I heard maritime mobile station, K2NUD, in grid FN40 off Long Island … **WB2AMU.** Nice 6-meter opening from DM04 to CN87 on Saturday … **N6ZE.** Operating QRP in northwestern Ohio, I worked east to New Brunswick, Canada, west to Washington State, and south to Florida Sunday morning. The contest was fun as always … **N8QE.** I'm back on 6 meters since the AM days in 1953. Ran low power to a 6-element Yagi put up for the contest. It was great to see so many friends whom I see in HF contests on a regular basis ... **N4PN.**

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.

2008 VHF RESULTS

NORTH AMERICA

UNITED STATES

K1TEO	**A**	**75,710**	**431**	**134**	**CT**	**FN31**
W1XX	**A**	**57,840**	**384**	**120**	**RI**	**FN41**
N8RA	**A**	**26,892**	**234**	**81**	**CT**	**FN31**
W2DAN	**A**	**21,150**	**245**	**75**	**RI**	**FN41**
W1RZF	**A**	**6,786**	**127**	**39**	**MA**	**FN42**
KC1MA	**A**	**5,060**	**86**	**46**	**MA**	**FN51**
N1ZN	A	3,441	88	31	CT	FN31
W1OUN	A	3,348	79	36	MA	FN42
N1SV	A	3,036	82	33	MA	FN42
K1PU	A	1,958	65	22	CT	FN31
N4CW/1	**A**	**1,450**	**47**	**29**	**ME**	**FN53**
N1OXA	A	1,034	36	22	ME	FN44
WB1BRE	A	672	27	24	VT	FN33
W1DYJ	A	612	30	17	MA	FN42
K1VUT	A	540	27	15	MA	FN41
W1TR	A	372	22	12	CT	FN31
KA1C	A	133	13	7	ME	FN54
K1VU	A	84	11	6	MA	FN42
K1TOL	**6**	**82,080**	**480**	**171**	**ME**	**FN44**
K5ZD	6	920	46	20	MA	FN42
W1DMM	6	560	35	16	CT	FN31
KA1CQR	2	4	2	1	CT	FN31
K1ZE	**Q***	**1,722**	**60**	**21**	**CT**	**FN31**
W1BYH	**Q***	**210**	**26**	**6**	**MA**	**FN42**
N1PRW	Q*	20	5	2	MA	FN42
KA1LMR	**Q**	**44,619**	**360**	**107**	**NH**	**FN43**
W3EP	**Q**	**6,811**	**112**	**49**	**CT**	**FN31**
AB1II	Q	4	2	1	MA	FN42
KB1DFB	**M**	**92,568**	**551**	**133**	**CT**	**FN41**
NE1B	**M**	**10,725**	**158**	**55**	**NH**	**FN42**
K2SQS	**A**	**9,024**	**148**	**48**	**NJ**	**FN20**
WB2LEB	**A**	**6,795**	**122**	**45**	**NJ**	**FN20**
N2VGA	**A**	**3,564**	**69**	**36**	**NY**	**FN30**
WB2RVX	A	3,488	73	32	NJ	FM29
KA2CYN	A	3,472	98	28	NY	FN31
W2BVH	A	1,638	51	21	NJ	FN20
N2SLO	A	1,488	45	24	NY	FN30
N2WSY	A	1,484	40	28	NJ	FM28
NQ2O	A	1,305	36	29	NY	FN13
W2LP	A	468	31	12	NY	FN31
N2MPU	A	297	25	9	NJ	FN20
KC2OGR	A	133	15	7	NJ	FN20
N2DCH	A	84	10	6	NY	FN22
K2PS	**6**	**6,375**	**125**	**51**	**NJ**	**FM29**
KC2HZW	**6**	**4,601**	**107**	**43**	**NY**	**FN30**
W2AJM	6	2,080	65	32	NY	FN21
N2WM	6	1,430	55	26	NJ	FN21
W2LE	6	1,150	50	23	NJ	FN20
AG2A	6	1,092	52	21	NY	FN30
W2YE	6	624	39	16	VA	FM19
WB2AMU	6	209	19	11	NY	FN31
K2HVE	6	12	4	3	NJ	FN20
W2JEK	**Q**	**216**	**23**	**9**	**NJ**	**FN20**
KA2LIM	**M**	**86,032**	**460**	**152**	**NY**	**FN12**
K2JV	**M**	**26,250**	**273**	**75**	**NJ**	**FN20**
N2RAS	M	6,536	115	43	NJ	FM29
N2GCZ	M	5,986	112	41	NY	FN31
K2OAK	M	1,408	56	16	NJ	FN20
K2PLF	**A**	**56,023**	**387**	**121**	**MD**	**FM19**
K3ISH	**A**	**26,670**	**226**	**105**	**PA**	**FN21**
N3HBX	**A**	**21,978**	**221**	**74**	**MD**	**FM19**
K3OO	**A**	**18,247**	**204**	**71**	**PA**	**FN20**
KA3ZLS	A	13,908	160	61	MD	FM19
N3ALN	A	12,213	166	59	MD	FM19
K3CB	A	12,139	150	61	MD	FM18
K3TC	A	11,825	152	55	MD	FM19
K3ZO	A	11,605	179	55	MD	FM18
N3UM	A	6,815	115	47	MD	FM18
W3LL	A	2,496	94	24	MD	FM19
N3XZ	A	1,530	40	30	PA	FN11
W3TDF	A	1,520	65	20	PA	FN20
K3TUF	A	1,224	55	17	PA	FN10
KB3KXX	A	588	34	12	MD	FM19
N3EMF	A	432	20	18	PA	FN01
N3JNX	A	231	14	11	PA	FN11
KM3G	A	100	13	5	PA	FM19
W3BD	**6**	**22,357**	**283**	**79**	**PA**	**FM19**
						(Op: N3GH)
WA2FGK	6	2,436	84	29	PA	FN21
						(Op: K2LNS)
K3WW	6	2,352	98	24	PA	FN20
AF3I	6	1,537	53	29	PA	FN10
K3VOA	6	341	31	11	DC	FM18
						(Op: K4ZW)
W3BW	6	252	21	12	MD	FM29
WA3G	6	200	20	10	MD	FM19
K3LAB	6	100	10	10	PA	EN90
W3MEO	**Q***	**60**	**6**	**5**	**MD**	**FM18**
K3TW	Q	24	5	4	MD	FM18
WBØIWG	Q	18	4	3	PA	FM19
W3SO	**M**	**108,332**	**531**	**146**	**PA**	**FN00**
AC3I	M	132	12	11	PA	FN21
KE2N	**A**	**29,050**	**258**	**83**	**VA**	**FM18**
K4QI	**A**	**28,314**	**209**	**99**	**NC**	**FM06**
W4MYA	**A**	**19,671**	**209**	**79**	**VA**	**FM07**
K4LY	**A**	**17,384**	**155**	**82**	**SC**	**EM85**
N4XD	A	8,308	107	62	NC	FM05
N4PN	**A**	**7,200**	**111**	**60**	**GA**	**EM82**
NG4C	A	6,380	106	55	NC	FM16
KN4SM	A	5,508	83	51	VA	FM16
N4QWZ	**A**	**5,253**	**73**	**51**	**TN**	**EM66**
WK4P	A	3,990	83	38	NC	EM96
N2QT	A	3,515	78	37	VA	FM07
K2EVW	A	3,276	61	42	VA	EM96
KI4SYR	A	3,136	83	28	NC	EM96
WA4QYK	A	2,835	59	35	TN	EM86
K5VIP	A	2,220	48	37	VA	FM16
K4FJW	A	2,088	54	29	VA	EM86
W4PK	A	1,881	56	33	VA	FM07
N4HN	A	1,643	40	31	NC	EM95
KI3O	A	1,541	52	23	VA	FM18
K4FTO	A	1,495	48	23	VA	FM18
WF4R	A	1,215	35	27	VA	FM16
W4FRA	A	1,170	32	30	NC	FM15
WA4ZKO	**A**	**1,080**	**35**	**27**	**KY**	**EM78**
N1LF	A	777	26	21	AL	EM63
KR1ST	A	726	28	22	SC	EM92
K3IXD	A	510	22	17	SC	EM93
AK4FL	A	220	14	11	AL	EM64
K4JEB	A	176	14	11	SC	FM02
WB3JKQ	A	105	12	7	TN	EM75
AE4EC	A	55	8	5	NC	FM05
N4BP	**6**	**4,738**	**103**	**46**	**FL**	**EL96**
K4JPD	**6**	**4,420**	**85**	**52**	**GA**	**EM73**
N4MM	**6**	**1,824**	**57**	**32**	**VA**	**FM09**
W4PM	6	946	43	22	VA	FM17
K4WI	6	798	38	21	AL	EM62
N4VA	6	504	36	14	VA	FM18
W4YA	6	221	17	13	FL	EL98
KC8KSK	6	110	11	10	SC	FM03
AB4GG	6	36	6	6	TN	EM75
KB7TBT	6	25	5	5	GA	EM84
K4BAI	6	18	6	3	GA	EM72
N3UA	6	4	2	2	VA	FM17
KX4R	**2**	**1,276**	**29**	**22**	**GA**	**EM73**
KR4F	**Q**	**567**	**27**	**21**	**AL**	**EM64**
N4TZH	**Q**	**507**	**33**	**13**	**FL**	**EL96**
KG6IYN	**A**	**69,390**	**414**	**135**	**CA**	**DM12**
AJ6T	**A**	**6,050**	**95**	**50**	**CA**	**CM87**
KW6N	**A**	**3,731**	**83**	**41**	**CA**	**DM06**
N6RZR	**A**	**2,077**	**50**	**31**	**CA**	**CN80**
N6ZE	A	720	36	16	CA	DM04
KG6ZHC	A	44	8	4	CA	CM87
K6RAD	A	20	4	4	CA	CM88
K6FV	**6**	**735**	**35**	**21**	**CA**	**CM87**
K6CSL	6	160	16	10	CA	CM97
W6BVB	**Q**	**918**	**38**	**18**	**CA**	**DM04**
N6WG	Q	448	32	14	CA	CM87
W6QU	Q	221	17	13	CA	DM12
K6VCR	**M**	**13,790**	**163**	**70**	**CA**	**DM13**
W6YX	**M**	**6,500**	**104**	**52**	**CA**	**CM87**
KB7ME	**A**	**19,251**	**176**	**93**	**OR**	**DN02**
K7BG	**A**	**9,933**	**128**	**77**	**MT**	**DN47**
N7EPD	**A**	**9,522**	**154**	**46**	**WA**	**CN87**
N6KW	A	4,650	108	31	WA	CN87
N7NT	**A**	**3,420**	**70**	**45**	**AZ**	**DM43**
K1NV/7	**A**	**2,752**	**58**	**43**	**NV**	**DM17**
N7DB	A	1,909	59	23	OR	CN85
KG7P	A	1,848	65	21	WA	CN87
K7ND	A	1,365	42	21	WA	CN87
K7CW	**6**	**6,106**	**142**	**43**	**WA**	**CN87**
KC7V	**6**	**1,372**	**49**	**28**	**AZ**	**DM43**
KI4FW	Q	252	36	7	VA	FM18
NZ1D	Q	252	18	14	FL	EL98
K8GP	**M**	**176,774**	**739**	**169**	**VA**	**FM19**
N4BX	**M**	**24,297**	**213**	**89**	**NC**	**FM13**
W4YCC	**M**	**5,390**	**81**	**49**	**SC**	**EM94**
K4TRT	M	1,288	41	23	VA	FM07
AI4GR	M	950	39	19	NC	EM85
K5GZR	**A**	**13,509**	**148**	**79**	**TX**	**EM20**
WB2FKO	**A**	**10,293**	**137**	**73**	**NM**	**DM65**
K3TD	A	3,800	73	50	TX	EM10
W5UWB	A	1,650	46	33	TX	EL17
AA5JG	A	840	41	20	OK	EM04
KE5JXC	A	414	22	18	LA	EL39
W5KI	A	380	19	19	AR	EM36
WD5USA	A	304	16	16	OK	EM04
KD5WGM	A	20	4	4	TX	DM92
K5TR	**6**	**69,146**	**449**	**154**	**TX**	**EM00**
						(Op: WM5R)
W5PR	**6**	**61,740**	**420**	**147**	**TX**	**EL29**
WD5K	**6**	**61,304**	**388**	**158**	**TX**	**EM12**
AE5T	**6**	**28,896**	**258**	**112**	**LA**	**EM32**
W5WVO	**6**	**25,957**	**257**	**101**	**NM**	**DM65**
K5MV	**6**	**16,037**	**203**	**79**	**TX**	**EM20**
K3FM	**6**	**8,806**	**119**	**74**	**MS**	**EM50**
K5VNV	6	2,829	69	41	TX	EL18
K5WMH	6	1,960	56	35	NM	DM64
KJ5RC	6	1,102	38	29	MS	EM42
KD5J	6	972	36	27	AR	EM45
AE5PW	6	24	6	4	AR	EM45
WA5NFC	6	1	1	1	AR	EM45
K5QE	**M**	**218,986**	**789**	**223**	**TX**	**EM31**
W5LCC	M	11,826	143	81	TX	DM93
AB5GU	M	9,135	128	63	TX	EL29
KØXXX	**M**	**5,555**	**85**	**55**	**AR**	**EM46**
K5KDX	M	4,230	74	47	AR	EM35
KD7WPJ	6	608	32	19	UT	DM37
KB7Q	6	322	23	14	WY	DN44
AD7BN	6	9	3	3	UT	DN40
KGØAL	6	4	2	2	MT	DN76
N8BI	**A**	**10,089**	**150**	**57**	**OH**	**EN91**
K8MR	A	4,905	89	45	OH	EN91
WN8R	A	4,268	82	44	OH	EN91
W8TCZ	A	3,567	58	41	OH	EN81
WZ8T	**A**	**3,002**	**56**	**38**	**MI**	**EN72**
KB8DDZ	A	2,380	52	35	OH	EM79
K8DXR	A	1,710	48	30	OH	EN90
N8PPF	A	208	15	13	OH	EN80
WA8WV	A	130	11	10	WV	EN98
W8IDM	A	33	7	3	OH	EN91
WA1UJU	**6**	**7,840**	**140**	**56**	**MI**	**EN56**
N8II	**6**	**4,346**	**106**	**41**	**WV**	**FM19**
KB8UUZ	**6**	**3,526**	**86**	**41**	**OH**	**EN91**
N8OC	6	1,927	47	41	MI	EN83
N8BJQ	6	1,320	44	30	OH	EN80
NO8R	6	726	33	22	MI	EN73
W8KNO	6	299	23	13	OH	EN91
N8XA	**Q**	**2,808**	**64**	**39**	**OH**	**EM89**
N8QE	Q	133	15	7	OH	EN91
N9LR	**M**	**22,080**	**199**	**96**	**MI**	**EN67**
W8YY	M	99	10	9	MI	EN57
K2DRH	**A**	**159,996**	**618**	**201**	**IL**	**EN41**
WB9Z	**A**	**50,032**	**311**	**118**	**IL**	**EN60**
K9BZ	**A**	**19,320**	**211**	**84**	**WI**	**EN45**
WO9S	A	10,545	142	57	IL	EN61
W9IIX	A	3,354	79	26	IL	EN61
N2BJ	A	3,007	72	31	IL	EN61
KA9FAJ	A	2,016	46	36	IL	EN40
NT9E	A	1,550	44	25	IL	EN52
KA9BYN	A	950	35	25	IN	EN60
AI9I	A	812	32	14	IL	EN51
AF9J	A	690	27	15	WI	EN52
KB9YGD	A	594	23	18	IN	EN61
K9OR	A	435	23	15	IL	EN62
KC0REY	A	216	16	12	IL	EN40
N9LF	A	110	10	10	IN	EN60
KB9WQJ	A	35	6	5	IL	EM58
W9SE	**6**	**5,022**	**93**	**54**	**IL**	**EN50**
WE9V	6	850	50	17	WI	EN52
K9MMS	6	230	23	10	IL	EN51
AI9T	6	180	15	12	IL	EN69
W9RE	6	168	14	12	IN	EM69
W9ILY	6	100	10	10	IL	EN61
KC9LBO	6	4	2	2	WI	EN43
AA9DY	6	2	2	1	IL	EN52
W9HT	6	1	1	1	IN	EN71
W9SZ	**Q***	**1,944**	**45**	**27**	**IL**	**EN50**
K9AKS	**Q**	**13,090**	**129**	**77**	**IL**	**EN41**
KO9A	**Q**	**7,854**	**114**	**51**	**IL**	**EN52**
N9TF	**Q**	**4,864**	**97**	**38**	**IL**	**EN52**
WD9DCW	Q	220	14	11	IL	EN52
N9LYE	Q	160	10	8	IL	EN51
KG9N	Q	6	2	2	IL	EN50
KØKP	**A**	**31,086**	**287**	**99**	**MN**	**EN36**
KØAWU	**A**	**19,635**	**240**	**77**	**MN**	**EN37**
KCØTPP	**A**	**11,520**	**148**	**60**	**MO**	**EM48**
KAØZOZ	**A**	**10,764**	**147**	**69**	**IA**	**EN23**
NØJJQ	**A**	**10,725**	**119**	**75**	**IA**	**EN21**
NØGZ	A	7,360	94	64	IA	EN31
WBØCQO	A	6,565	83	65	IA	EN31
NØVZJ	A	2,924	65	34	MN	EN35
W6GMT	A	2,691	66	39	MN	EN37
KCØTDJ	A	546	22	21	IA	EN40
KØJQA	A	465	22	15	IA	EN31
KØUK	A	24	5	4	CO	DM59
NØHF	**6**	**4,600**	**92**	**50**	**CO**	**DM79**
NØUY	**6**	**3,784**	**88**	**43**	**MN**	**EN18**
WØRUN	6	2,408	56	43	CO	DN70
KCØDEB	**6**	**1,530**	**45**	**34**	**KS**	**EM29**
WBØTSR	**6**	**1,421**	**49**	**29**	**SD**	**EN14**
NØTK	6	1,144	44	26	CO	DM79
NNØQ	6	693	33	21	MN	EN25
WØHBH	6	378	21	18	MO	EM48
WØLPG	6	280	20	14	SD	EN14
KDØAWW	**Q***	**345**	**23**	**15**	**CO**	**DM79**
NØJK	**Q***	**35**	**7**	**5**	**KS**	**EM28**
NØKIS	**Q**	**2,613**	**53**	**39**	**NE**	**EN11**
NDØC	**Q**	**962**	**37**	**26**	**MN**	**EN23**
WØIS	Q	780	34	20	MN	EN34
KCØRQH	Q	665	33	19	MN	EN35
NØUNL	**M**	**5,508**	**82**	**54**	**NE**	**EN10**
KCØIYT	**M**	**1,848**	**66**	**28**	**MN**	**EN26**

Rover

WB3BEL	**56,882**	**350**	**119**		**4**
WB8BZK	**41,724**	**251**	**114**		**6**
N9TTX	**22,464**	**137**	**117**		**8**
WAØVPJ	**14,691**	**120**	**83**		**7**
K9ZF	**8,778**	**103**	**66**		**2**
W3DHJ	**8,228**	**100**	**68**		**4**
WA6KLK	**5,699**	**98**	**41**		**2**
KK6MC	**5,251**	**77**	**59**		**7**
K6EU	**5,194**	**82**	**49**		**4**
K6JRA	**4,410**	**78**	**42**		**2**
KØCS	**3,984**	**74**	**48**		**3**
K9JK	**3,960**	**60**	**45**		**10**
AE5P	**3,952**	**59**	**52**		**11**
W7PJ	**1,729**	**67**	**19**		**3**
N2SLN	**1,357**	**41**	**23**		**2**
KD5IKG	**1,075**	**31**	**25**		**4**
W6KA	**735**	**24**	**21**		**4**
VE3AAQ/W1	**704**	**31**	**16**		**2**
WO3X	144	12	6		3
W4BFB	96	8	8		4
KA3KSP	32	4	4		2

CANADA

VE1SKY	**6**	**315**	**21**	**15**	**NS**	**FN74**
VE2HAY	**A**	**1,824**	**47**	**32**	**QC**	**FN35**
VE2DC	A	238	15	14	QC	FN35
VA2WDQ	A	119	13	7	QC	FN35
VE2TZT	**6**	**7,992**	**111**	**72**	**QC**	**FN35**
VE2TKH	6	110	11	10	QC	FN46
VA2LGQ	6	90	10	9	QC	FN15
						(Op: VE3AV)
VE2PIJ	6	60	10	6	QC	FN36
VA2BGL	6	1	1	1	QC	FN48
VA2BS	**2**	**24**	**6**	**2**	**QC**	**FN36**
VA2SG/P	Q	1	1	1	QC	FN48
VE3KZ	**A**	**15,120**	**161**	**80**	**ON**	**FN03**
VA3WLD	**A**	**5,586**	**87**	**49**	**ON**	**FN03**
VE3CVG	A	1,225	41	25	ON	FN25
VE3OX	A	594	25	22	ON	FN14
VE3RCN	A	312	22	12	ON	FN03
W4TAA/VE3	**6**	**19,897**	**197**	**101**	**ON**	**FN15**
VA3DX	**6**	**6,783**	**119**	**57**	**ON**	**FN03**
VA3WPV	6	49	7	7	ON	FN04
VE3TLT	**Q**	**2,108**	**51**	**34**	**ON**	**EN92**
VA3RKM	Q	6	2	2	ON	FN25
VE3HHT	**M**	**1,782**	**43**	**33**	**ON**	**EN92**
VE3CRU	**R**	**18,612**	**148**	**99**		**7**
VE3OIL	R	1,316	38	28		3
VE5UF	**A**	**4,368**	**76**	**52**	**SK**	**DO61**
VA6AN	**A**	**3,034**	**61**	**41**	**AB**	**DO33**
VE6CPP	A	119	10	7	AB	DN39
VE9CEH	**6**	**5,883**	**111**	**53**	**NB**	**FN65**
VO1NO	**6**	**231**	**21**	**11**	**NF**	**GN19**
VY2HF	**6**	**432**	**24**	**18**	**PEI**	**FN86**

MEXICO

XE2WWW	**6**	**1,881**	**57**	**33**		**EL06**
XE3N	**6**	**1,200**	**50**	**24**		**EL60**
XE2HWB	**6**	**105**	**15**	**7**		**DL44**
XE2SO	**M**	**247**	**19**	**13**		**DL94**

PUERTO RICO

NP3CW	**A**	**52**	**9**	**4**	**KP4**	**FK68**

GUATEMALA

TG9VHF	6	1	1	1	EK44

MARITIME MOBILE REGION 2

K2NUD/MM	6	2	2	1	FN40

AFRICA

CANARY IS.

EA8BQM	6	42	7	6	IL27

MADEIRA IS.

CT3FQ	6	225	15	15	IM12

MOROCCO

CN8KD	6	2,628	73	36	IM63

SENEGAL

6W1SE	6	1	1	1	IK14

ASIA

CHINA

BG4TQX	6	1	1	1	PM01

CYPRUS

C4N	M	46,110	304	145	KM65

CYPRUS – UK SOV. BASE AREAS

ZC4LI	6	21,230	193	110	KM64

JAPAN

JH7IMX	A	12	3	3	QM08
JO7UEB/7	Q	6	2	2	QM08

THAILAND

HS6RMY	2	10,184	268	19	OK06
HS2ZMU	2	2,688	168	8	OK03
HS8LUR	2	2,376	297	4	NJ99
HS4NGK	2	2,100	105	10	OK17
E22TV	2	2,002	143	7	OJ07
HS3ANP	2	1,782	99	9	OK14
HS4FHT	2	1,314	73	9	OK16
E20MWE	2	750	125	3	OK03
E21QEB	2	304	38	4	OK03
HS8JYX	2	240	24	5	NJ98
E21YDP	2	216	18	6	OK03
HS3NWD	2	144	24	3	OK14
HS8KGG	2	16	8	1	OK03
HS7ZSX/P	Q*	1,504	94	8	NK92
E20RUZ/P	Q*	800	100	4	OK04
HS8KAY/P	Q*	270	45	3	NJ97
E20XMG/P	Q*	240	30	4	OK04
HS7WHB/P	Q*	220	22	5	NK93
HSØIAQ	M	12,144	506	12	OK03
HS1AXC	M	9,984	384	13	OK03
E22YS	M	8,404	382	11	OK03
HS8KFW	M	6,864	429	8	NJ99
E21TOY	M	5,472	342	8	OK03
HS9MXM	M	5,360	335	8	OJ07
HS2AP	M	3,652	166	11	OK03
HSØCHT	M	2,934	163	9	OK03
HSØQGC	M	2,784	232	6	OK03
HS1SAG	M	1,432	179	4	OK03
E20NKB	M	1,392	116	6	OK03
E20YLM	R	864	36	12	5

TURKEY (ASIATIC)

TA7OM	6	4,128	86	48	KN90
TB7MPB	6	3,744	78	48	KN90
TB7CVX	6	567	27	21	KN91

EUROPE

AUSTRIA

OE1CWA	Q*	520	26	10	JN88

BALEARIC IS.

AO6VQ	A	5,754	83	42	JM19 (Op: EA6VQ)

BOSNIA & HERZEGOVINA

E77EY	6	42,768	324	132	JN84
E72WG	6	154	14	11	JN94
E75DX	Q*	5,700	81	50	JN84

BULGARIA

LZ2ZG	6	25	5	5	KN23

CROATIA

9A1DL	A	1,520	52	16	JN95
9A5ST	6	1,344	42	32	JN83
9A4VM	2	8,062	139	29	JN85

CZECH REPUBLIC

OK1DC	A	18,395	161	65	JN69
OK1KZ	A	1,161	69	9	JO70
OK1KZE	2	17,672	188	47	JN79 (Op: OK1COM)
OK1KIM	M	125,528	524	136	JO60

ENGLAND

G8HXE/P	Q*	1,200	50	12	IO83

EUROPEAN RUSSIA

RU3GX	Q	1,292	38	17	KO92
RV6YY	Q	560	20	14	LN04
RA6HLF	Q	528	24	11	LN04
RV6LKY	Q	504	21	12	LN17
UA6LNS	Q	504	21	12	LN07
RN6MA	Q	462	21	11	LN06
RA6HDA	Q	420	21	10	LN13
RA6LGV	Q	374	17	11	KN97
RZ6HKM	Q	272	17	8	LN05
RU6LB	Q	224	14	8	LN17
RU6HL	Q	210	15	7	LN04
RW6HHH	Q	208	13	8	LN05
RA6FVZ	Q	196	14	7	LN05
RX6FT	Q	192	16	6	LN04
RN6HAZ	Q	168	12	7	LN04
UA6HML	Q	156	13	6	LN05
RA6FQR	Q	132	11	6	LN05
RV6MA	Q	128	8	8	KN97
RX6APY	Q	90	9	5	KN95
UA6EM	Q	90	9	5	LN14
RX6AS	Q	60	6	5	LN04
RA6FQO	Q	24	6	2	LN04
RV6FT	Q	2	1	1	LN03
RW3XL	Q	2	1	1	KO84

FRANCE

F6FJE/P	6	49	7	7	JO00
FØFEK	Q	1,216	38	16	JN19

GERMANY

DL2OM	A	20,251	144	77	JO30
DK5DQ	2	21,600	200	54	JO31
DL2SAX/P	Q*	4,012	71	34	JN48

HUNGARY

HA6VV/P	2	27,030	265	51	JN97
HA2VR/P	Q*	4,278	93	23	JN87
HG4GGV/P	Q*	1,652	59	14	JN97
HA5CQZ/P	Q*	1,612	62	13	JN97
HA5OT/P	Q*	1,204	43	14	JN97
HA7UL/P	Q*	660	30	11	JN97
HA4FV/P	Q*	368	23	8	JN97
HA7SZA/P	Q*	234	39	3	JN97
HA1ZH	Q	9,216	111	64	JN86
HA2MN	Q	40	10	2	JN97

IRELAND

EI/W5GN	6	204	17	12	IO52

ITALY

IW2NOD	A	11,100	121	74	JN44

KALININGRAD

RA2DF	6	1	1	1	MN62
RU2FM	2	32	4	4	KO04

MACEDONIA

Z36W	6	902	41	22	KN11

MOLDOVA

ER1RR	6	468	26	18	KN46

POLAND

SP9HAX	6	63	9	7	JO90
SP9DWT	6	9	3	3	JN99
SN9F	M	512	32	16	JO90

PORTUGAL

CT1ANO	6	6,164	134	46	IN51
CT1FFU	6	3,080	88	35	IM59

ROMANIA

YO5CBX	6	195	15	13	KN27
YO3CZW	6	24	6	4	KN34

SERBIA

YU1UU	6	3,010	70	43	KN04
YU7AE	Q	165	15	11	KN05

SLOVENIA

S51CK	6	4,717	89	53	JN76
S53N	2	13,158	153	43	JN65

SWEDEN

SA1A	6	100	10	10	JO97 (Op: SM1TDE)

SPAIN

EA3BOX	A	1,628	43	37	JN11
EA3AKY	6	17,472	168	104	JN11
EA3BSG/P	6	5,676	86	66	JN11
EA5FQ	6	2,080	52	40	IM98
EH2AGB	6	572	26	22	IN93
EA3FHP	6	280	20	14	JN11
EA1GWM	6	190	19	10	IN53
EA1BFZ	6	80	10	8	IN81
EC7DNB	6	16	4	4	IM77
EA1GPL	6	9	3	3	IN90

UKRAINE

UT7IL	A	486	20	18	KN87
UZ7U	6	1,943	67	29	KO50 (Op: UT3UA)
UR5QU	6	1,092	42	26	KN77
USØYW	6	360	20	18	KN27
UXØFF	6	340	20	17	KN45
UY5ZZ	6	336	24	14	KN77
UT2UB	6	280	20	14	KO50
USØLW	6	270	18	15	KN99
UT2II	6	110	11	10	LN09
UT8IM	6	16	4	4	KN87
UT3IZ	6	6	3	2	KN87
UT5JCW	2	504	18	14	KN64
US5IPH/P	Q*	1,232	56	11	KN87/88
UT5IZ/P	Q*	550	28	11	KN87/88
US5IHF/P	Q*	324	27	6	KN97/98
UW2I	Q	1,368	36	19	KN98
US5MPO	Q	462	21	11	KN98
US5IQU	Q	448	28	8	KN98
UR5IOT	Q	364	28	7	KN88
UR5ITU	Q	350	27	7	KN87
UY7IZ	Q	280	28	5	KN88
UR4QX	Q	264	12	11	KN86
US3ITU	Q	260	26	5	KN88
US5IVZ	Q	216	27	4	KN87
US5IMZ	Q	208	26	4	KN88
US3ITD	Q	200	25	4	KN98
UY2ID	Q	200	25	4	KN98
US7IIZ	Q	192	24	4	KN98
UY2IW	Q	192	24	4	KN98
UT2IY	Q	184	23	4	KN98
UT5YU	Q	184	23	4	KN98
US5IVL	Q	176	22	4	KN98
UR4IHV	Q	168	21	4	KN98
UY1IM	Q	160	20	4	KN98
US8IJE	Q	144	18	4	KN98
US8IPB	Q	126	9	7	KN86
UR7INK	Q	120	15	4	KN88
UR7IM	Q	112	14	4	KN88
UR5MGW	Q	80	8	5	KN98
UZ5Q	Q	77	11	7	KN77 (Op: UY5QZ)
UR6IE	Q	42	7	3	KN88
UR4IIU	Q	40	5	4	KN87
USØYA	Q	20	5	4	KN28
UU4JCR	Q	18	3	3	KN65
UT1IC	M	13,034	158	49	KN98
UR4EYN/P	M	3,535	69	35	KN78
UW3E	M	3,531	68	33	KN78
UR7IWA	M	66	11	3	KN88
US1IAA	R	396	33	6	2
UT3IB	R	60	6	5	4
US3IFV	R	56	7	4	3
UX2IQ	R	48	6	4	2

WALES

GW8ZRE/P	Q*	2,898	69	21	IO83

OCEANIA

GUAM

KG6DX	6	1,449	63	23	QK23

SOUTH AMERICA

ARUBA

P43JB	6	100	10	10	FK42

BRAZIL

PV8AZ	6	42	7	6	FJ92
PP5XX	2	2	1	1	GG53
PY2REK	2	2	1	1	GG65
PU2WDV	Q	2	1	1	GG67
PY2ZX	M	8	2	2	GG66

COLOMBIA

HK6F	6	891	33	27	FJ24

NETHERLANDS ANTILLES

PJ2BVU	6	9	3	3	FK52

TRINIDAD & TOBAGO

9Y4D	6	18	6	3	FK90

CHECK LOGS

The following submitted check logs: AF6AV, HA7LW, RA6DA, RA6HQY, RX6AS, US8IJE/M, W9RM, WBØULX, YO2LSP.