

Results of the 2015 CQ World Wide VHF Contest

BY STEVE BOLIA,* N8BJQ

When you don't have six meters in a two-band VHF contest, you probably are not having much fun. As K9AKS mentions in his comments later, 6-meter conditions in the U.S. were as poor as they have ever been in the CQ WW VHF Contest. From my QTH in southwestern EN80, we had a decent opening to a couple of areas in Texas and Mexico for a couple of hours and that was it for Saturday. It felt like the band might open but it never really happened. Sunday's six-meter propagation was even less exciting. Entries were down from 2014 with 663 logs received, down from 746 in 2013. DX stations accounted for 372 logs received (almost the same as 2014) and 291 U.S. logs were received (down from 371 in 2014). As dismal as conditions were, according to our official record keeper, Curt Roseman, K9AKS, there were "some" highlights that were achieved despite the poor propagation.

The highlight of this year's contest was the performance of six meters in the western Mediterranean region. Moroccan station CN8KD scored the highest totals ever from Africa on 6 meters, and IT9XTP and ISØBSR/P posted the highest scores ever from Sicily and Sardinia, respectively. Large 6-meter QSO totals also contributed to a record score from Africa in the all-band category by EA8DBM in the Canary Islands, and the highest score ever from the Balearic Islands by EA6SA.

As usual, participation in the 2-meter-only category was minimal in North America. In Europe, participation was relatively high and some good performances resulted. OK1DOL and HG3X posted the sixth and tenth highest 2-meter-only scores ever in Europe. Some good scores in the QRP category came out of Europe, too. Hungarian stations HA5KDQ and HA1ZH posted the fourth and eighth highest all-time European QRP scores. Interestingly, they accomplished these scores in very different ways: 'KDQ had 193 QSOs on 6 meters and only 33 on 2 meters, whereas 'ZH had an opposite profile: Only 44 QSOs on 6, but 93 on 2 meters. Another notable QRP score was posted by JR1UJX, who broke the all-time Japan record.

In North America overall, six-meter conditions were as poor as they have been in the 16-year history of this version of the CQ VHF contest. QSO totals were at an all-time low and no stations in the 6-meter-only category broke into their call-area lists of all-time high scores. In the all-band entry category, only K2DRH in Illinois and W9RM in Colorado did so. The best scores posted by multi-op stations in several areas of North America depended on good QSO totals on 2 meters. Perhaps the best indicator of the poor conditions in North America were the collective scores posted by QRP stations.

For the first time in contest history, only one QRP score exceeded 1,000 points ... and it was a tough slog.

USA

Bob, K2DRH, and Jay, W9RM, again finished first and second in the all-band category but with considerably lower scores than in 2014. Bob's 89,000 was only topped by the K5QE multi-op score. John, W1XX, was third; John, W1AN, fourth; and Fred, K3ZO, rounded out the top five. Chuck, W5PR, led a Texas



This is K7ATN's setup in CN85. Etienne's operation resulted in 60 QSOs and 20 grids for second place in the Hilltopper category.

sweep of the top five finishers on 6 meters. Gator, N5RZ, kept the pressure on Chuck to finish second, followed by WA2VYA, WD5K, and WG5H. Frank, K2OS, and N2FKF topped the 2-meter category. Ted, K5TED, and Etienne, K7ATN, led the Hilltoppers and Curt, K9AKS (the only QRP station above 1,000 points), is the QRP winner.

The crew at K5QE again sits on top of the leaderboard. Marshall and crew (K5MQ, N5YA, KE5VKZ, AE5VB, VE3WY, N1XS, NR5M, KU5B, and W5LD) worked a lot of 6-meter meteor scatter as well as 103 grids on 2 meters. Second place goes to W4MW (ops: W3OA, W4WNT, AA4SC, N4UFP, WW4CP, N4LED, KI4TZ, W4GRW, AA4ZZ, K8YC, and W4MW) with K8GP with ops K1RA and W8ZN in third.

In the rover category, WW7D did a great job considering the difficult conditions. Despite the poor propagation, Darryl worked 170 Q's and 54 grids on 6 meters and 110 QSOs and 44 grids on 2 meters while operating from nine grids. You can read about Darryl's rove at <<http://tinyurl.com/CQWWVHF>>



This is Rover champ WW7D's setup for 2015. Follow the link in the story to read about Darryl's trip.

15WW7D>. Pete, K9PW, operated from six grids and worked 47 grids on 6 and 43 on 2 meters. K9JK dodged storms on Saturday to finish third with 31 grids worked on 6 and 28 on 2 meters. Thanks to all of the rovers who do a great job every year.

DX

Aleksandr, EA8DBM, turned in a record score on his way to the world top all-band score. His 183 grid total on 6 meters helped him to overcome the 90 QSO advantage of CR5A. Third place goes to EA6SA with the highest score from EA6. OK1DC was fourth and UY1HY finishes fifth. IT9XPT and CN8KD battled for the 6-meter title with Salvatore winning the grid battle, 148 to 137. Marco, ISØBSR/P, wasn't far behind in third, followed by EA3AKY and EA6XQ. Libor, OK1DOL, is the 2-meter winner with an impressive score of 27,000. Norbert, HG3X, was not far behind with his 20,000-point effort. Guyla, HA2VR/P, is the Hilltopper leader with IZ2JNN/3 and HA1WD/P in



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the next two spots. HA5KDQ operated by HA5IW repeats as the QRP winner with an excellent score of 26,000. HA1ZH and EA1SI rounded out the top three in the QRP category.

The crew at HA6W (ops: HAØMK, HAØLC, HAØLZ, HA6ZFA, HA6WX, HA5OKU, and HAØLO) battled HG1W (ops: HA1YA and HA1WA) for the Multi-Op title with HA6W repeating as champs. Bill, VE3CRU, turned in the top rover score outside of the U.S.

Other Stuff

There was some confusion about contest rules after the changes that the ARRL made to its VHF and above rules for contesting. As of this time, the CQ VHF rules remain the same as they have been. You can use clusters or the Reverse Beacon Network to view spots but self-spotting is not allowed. Chat

rooms are allowed for stations attempting digital meteor scatter or EME QSOs. Only the call, frequency, and sequence can be spotted. Also, the use of non-amateur means (telephones or cell phones) to solicit or complete a QSO is not permitted. Rules for the 2016 contest will be published in *CQ* in the May issue and will be on the website at that time. If you have suggestions for rule changes that will improve the contest, please send them to me and they will be considered.

We still have a large number of stations who appear in lots of logs but don't submit a log for one reason or another. This year there were 2016 stations that appear three or more times in the logs and did not submit a log. Over 400 of these stations made between 10 and 170 Qs. Log submission is easy. All contest loggers that support VHF contests should be able to generate a Cabrillo file that can be emailed to the robot <cqvhf@cqww-vhf.com>. If you are using a DX logging program, it will probably generate an ADIF file as an output. While the robot will not accept that, there are programs that will convert it to a Cabrillo file. If you log on

TOP SCORES WORLD

All Band	HA6VV/P	980	
EA8DBM	97,308	HS8JNF/P	276
CR5A	77,872		
EA6SA	60,816		
OK1DC	14,136	QRP	
UY1HY	7,320	HA5KDQ	26,397
		HA1ZH	13,575
		EA1SI	3,108
6 Meters		JR1UJX	2,888
IT9XTP	49,580	UT8AL	2,001
Rover			
VE3CRU/R	8,160		
US3ITU/M	1,870		
HS3NBR/R	187		
4S7JL/R	120		
2 Meters			
OK1DOL	27,084	Multi-Op	
HG3X	20,592	HA6W	68,250
9A4VM	7,192	HG1W	53,046
UT5DV	5,658	YU7W	18,966
UR4EWZ	4,838	9A0V	18,424
Hilltopper		HG6Z	16,640
HA2VR/P	7,592		
I2ZJNN/IN3	1,760		
HA1WD/P	1,210		

USA

All Band	W9SZ	688	
K2DRH	89,142	K1ZK	225
W9RM	40,005		
W1XX	15,736		
W1AN	11,165	QRP	
K3ZO	10,868	K9AKS	3,492
		K2GMY	910
6 Meters		W1QK	672
W5PR	41,280	W3DQT	512
N5RZ	34,668	W2JEK	451
WA2VY	14,399		
WD5K	14,175	Rover	
WG5H	12,825	WW7D/R	41,748
		K9PW/R	26,550
2 Meters		K9JK/R	10,679
K2OS	4,420	AE5P/R	8,154
N2FKF	2,832	K0BAK/R	5,800
WA1KRG	754		
KI6JJW	144	Multi-Op	
		K5QE	125,528
		W4MW	78,600
Hilltopper		K8GP	61,992
K5TED	2,990	K2LIM	58,497
K7ATN	1,960	W3SO	39,386
WB8BZK	800		

QSO & GRID LEADERS

6-Meter QSOs	2-Meter QSOs
CR5A	490
EA8DBM	401
EA6SA	336
IT9XTP	335
N5RZ	321
W5PR	320
CN8KD	310
K2DRH	281
IS0BSR/P	268
EA6XQ	257
CT1BOL	252
EA3AKY	243
K5QE	236
EA1ASC	215
K9RU	215

6-Meter Grids

6-Meter Grids	2-Meter Grids
EA8DBM	183
EA6SA	159
CR5A	154
IT9XTP	148
IS0BSR/P	148
CN8KD	137
EA3AKY	135
K5QE	125
EA1ASC	116
K9RU	105

QSO LEADERS BY BAND

WORLD	
Single Op	Multi Op
50 MHz	50 MHz
CR5A	490
EA8DBM	401
EA6SA	336
IT9XTP	335
CN8KD	310

144 MHz	144 MHz
OK1DOL	61
HG3X	52
UR4EWZ	42
HA5KDQ	42
UT5DV	41

Single Op	Multi Op
50 MHz	50 MHz
E7TT	91
YU7W	68
HG1W	68
HA6W	68
VE3SMA	30

USA

Single Op	K2LIM	173
50 MHz		
N5RZ	321	144 MHz
W5PR	320	K8GP
K2DRH	281	K2LIM
W9RM	203	177
W3EP	192	K5QE
		166
		W4MW
		162
		W3SO
		137
144 MHz		
K2DRH	128	Rover
W1XX	67	50 MHz
K2OS	65	WW7D/R
K1DQV	63	K9PW/R
N2FKF	59	103
K1TR	59	K15YG/R
K3ZO	59	66
		K9JK/R
		63
		KK6MC/R
		58
MULTI OP		
50 MHz		
K5QE	236	144 MHz
K9RU	215	WW7D/R
K8GP	206	K9PW/R
W4MW	200	96
K0BAK/R	41	K9JK/R
		59
		AE5P/R
		50
		K0BAK/R
		41

paper, those logs are still gladly accepted. If you have access to the web, you can go to <http://www.b4h.net/cabforms/cqwwvhf_cab.php> and use the form that Bruce, WA7BNM, has provided to type in your log. If you don't have access to the Internet, I gladly accept paper logs and as long as I can read your writing, I will convert your paper log. If you don't want to enter officially, we welcome check logs as well. They are not scored but are used in the cross-checking process to increase the accuracy of the log checking.

Please note that as of this contest, all CQ contest certificates will be made available only as PDF files that the entrant may download and print.

Thanks to K9JK and K9AKS for their valuable assistance and wisdom. Also thanks to Yuri, UT1IC, for getting all of the logs from the Ukraine submitted (69 logs) and to Champ, E21EIC, for doing the same for Thailand. The 2016 contest will be held on July 16th and 17th. We are due for a good one!

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A nominee for the best scenery award is this view of the KØBAK rover mobile from Bear Mountain, New York, in FN31.

CLUB COMPETITION

(Minimum of 3 entries required for listing)

UNITED STATES

Club Name	# Entries	Score
POTOMAC VALLEY RADIO CLUB	(18)	139,247
SOCIETY OF MIDWEST CONTESTERS	(15)	97,052
CAROLINA DX ASSOCIATION	(3)	78,672
PACIFIC NORTHWEST VHF SOCIETY	(13)	63,010
TEXAS DX SOCIETY	(3)	57,877
GRAND MESA CONTESTERS OF COLORADO	(6)	54,670
FRANKFORD RADIO CLUB	(5)	30,552
YANKEE CLIPPER CONTEST CLUB	(13)	29,299
CTRI CONTEST GROUP	(5)	27,807
BADGER CONTESTERS	(3)	20,625
NORTH EAST WEAK SIGNAL GROUP	(5)	18,537
MT AIRY VHF RADIO CLUB	(4)	13,851
ARIZONA OUTLAWS CONTEST CLUB	(10)	7,434
PORTAGE COUNTY AMATEUR RADIO SERVICE	(3)	6,318
ROCHESTER VHF GROUP	(3)	5,421
MY AIRY VHF RADIO CLUB		5,143

FLORIDA CONTEST GROUP	.....(5).....	4,256
NORTHERN LIGHTS RADIO SOCIETY	.....(5).....	2,494
DFW CONTEST GROUP	.....(3).....	2,342
NORTHERN CALIFORNIA CONTEST CLUB	.....(3).....	1,512

DX

EA CONTEST CLUB	.....(3).....	45,417
CONTEST CLUB ONTARIO	.....(7).....	18,900
HA-DX-CLUB	.....(3).....	18,830
RADIO CLUB KVARNER RIJEKA	.....(5).....	15,845
CDR GROUP	.....(17).....	5,902
UKRAINIAN CONTEST CLUB	.....(8).....	4,340
BLACK SEA CONTEST CLUB	.....(3).....	3,813
UKRAINIAN VHF INTERNATIONAL CONTEST CLUB	.....(13).....	3,536
CABREÚVA DX GROUP	.....(3).....	929
BAVARIAN CONTEST CLUB	.....(3).....	804

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. Scores in **bold** indicate certificate winners. Scores in *italic* are disqualifed.

2015 VHF RESULTS

NORTH AMERICA

UNITED STATES

		JAPAN																													
W1XK	A	15,736	214	56	RI	FN41	KX4S	6	64	8	8	TN	EM75	W9VA	A	234	15	13	IL	EN62											
W1AN	A	11,165	164	55	CT	FN41	N3TG	6	60	10	6	VA	FM18	W9ZB	A	208	15	13	IN	EM63											
K1TR	A	9,180	145	45	NH	FN42	N2WN	6	49	7	7	TN	EM86	N2BJ	A	128	11	8	IL	EN61											
K1GX	A	4,995	96	37	CT	FN31	KM4ID	6	49	7	7	SC	EM92	K09A	6	2,772	77	36	IL	EN52											
AF1T	A	2,668	80	23	NH	FN43	K5EK	6	48	8	6	NC	FM03	K92O	6	759	33	23	IL	EN50											
WA1Z	A	1,386	66	18	NH	FN42	K4OE	6	25	5	5	NC	FM05	WSV9	6	405	27	15	IL	EN59											
N1JD	A	1,264	60	16	ME	FN44	K3MAF	6	12	4	3	VA	FM18	WB0HFK	6	340	20	17	IL	EN50											
N1ZN	A	704	35	16	CT	FN31	N3GD	6	9	3	3	FL	EL98	K92M	6	187	17	11	IL	EN50											
W1DYZ	A	684	42	12	MA	FN42	K4YYL	6	9	3	3	SC	EM84	K0JS	6	24	6	4	WI	EN52											
K3IU	A	624	51	12	RI	FN41	W3DQT	Q	512	24	16	VA	FM08	W9SE	6	12	4	3	IL	EN50											
NN1N	A	377	21	13	CT	FN31	W4MW	M	78,600	362	150	NC	EM96	WB8BZK	H	800	35	16	IL	EN62											
NA1AX	A	220	16	11	MA	FN32	K8GP	M	61,992	390	108	VA	FM19	W9SZ	H	688	30	16	IL	EN50											
AA1AO	A	186	28	6	MA	FN42	N4SVC	M	820	29	20	FL	EM80	K9AKS	O	3,492	70	36	IL	EN41											
K1MOT	A	162	16	9	PA	FN51	Op: NE1B																								
NZ1I	A	162	14	9	CT	FN41	AAJF	A	3,772	78	46	TX	EL29	W9RM	A	40,005	259	127	CO	DM58											
K1LMY	A	128	10	8	MA	FN32	A15I	A	3,060	65	45	NM	DM65	K0TPP	A	9,563	115	73	MO	EM48											
K1DM	A	72	11	6	CT	FN31	K5ND	A	2,090	51	38	TX	EM12	N0KE	A	6,955	88	65	CO	DM69											
W1JN	A	55	9	5	CT	FN31	K5WBM	A	800	21	20	MS	EM50	K0NR	A	5,520	94	48	CO	DM78											
WA1TKR	G	754	29	13	CT	FN31	A15AA	A	143	12	11	LA	EM40	WB0BGZ	A	1,802	46	34	NE	EN01											
W3EP	G	9,024	192	47	CT	FN31	W5PR	M	61,280	320	129	TX	EL29	K0GJU	A	1,767	51	31	CO	DN70											
K1ED	G	6,012	167	36	CT	FN31	N5RZ	M	34,668	321	108	TX	DM91	W0ETT	A	756	32	21	CO	DN79											
K1LZ	G	1,919	101	19	MA	FN42	WA2VYA	M	14,399	187	77	TX	EM10	NYDA	A	693	26	21	MN	EN24											
W1QI	G	1,312	82	16	CT	FN31	W0DK	M	14,175	175	81	TX	EM12	NTBV	A	680	20	20	ND	EN08											
K1AR	G	700	50	14	MA	FN42	AF5CC	M	1,632	48	34	OK	EM04	KV1E	A	638	28	22	IA	EN41											
K1GQ	G	297	27	11	NH	FN43	AC5C	M	1,148	41	28	LA	EL49	N0IG	M	2,747	67	41	MO	EM48											
K1EE	G	248	31	8	NH	FN42	K85UBT	M	1,036	37	28	TX	EM12	K0KIS	M	1,404	54	26	MN	EN35											
AB1UF	G	228	38	6	MA	FN42	NM5Z	M	972	36	27	MS	EM41	K0RJ	M	864	36	24	KS	DM09											
W1WBB	G	210	21	10	RI	FN41	NM5WB	M	621	27	23	NM	DM64	K2DSW	M	836	38	22	IA	EN31											
K1ZZ	G	171	19	9	CT	FN31	WM5DX	M	558	31	18	MS	EM50	WA0IYY	M	325	25	13	MO	EM48											
W1WF	G	138	23	6	MA	FN42	W5GAI	M	6	132	12	11	NM	DM62	W0WJW	M	280	20	14	IA	EN31										
N2GZ	G	60	12	5	CT	FN31	NW5Q	M	6	132	12	11	TX	EM13	WB0HKH	M	176	16	11	MO	EM48										
K1PU	G	30	10	3	CT	FN31	K5YM	M	6	49	7	7	OK	EM13	WB0KPT	M	42	7	6	CO	DM79										
AA9DY	G	5	5	1	MA	FN42	KD5J	M	16	4	4	AR	EM45	K0CS	M	42	7	6	CO	DM79											
K1ZK	H	225	14	9	VT	FN34	K5TED	H	2,999	62	46	TX	EL09	W0E6	M	16	4	4	KS	EM17											
W1WK	H	672	48	14	CT	FN31	WA5BUQ	C	216	18	12	TX	EL29	W0GN	M	1	1	1	IA	EN42											
NN1R	H	192	12	8	CT	FN31	K10G	O	4	4	1	TX	DM93	K0VG	M	1	1	1	MN	EN35											
N1RPR	H	2	1	1	MA	FN42	K50E	M	125,528	402	221	TX	EM31	N0JK	H	16	4	4	KS	EM28											
N1WK	H	14,045	214	53	CT	FN41	K9RU	M	23,618	228	98	NM	DM75	WB0HNN	M	192	12	12	MN	EN25											
W1V	H	5,940	167	20	ME	FN44	KC5MVZ	M	2,100	54	35	TX	DM93	W0YJT	Q	143	13	11	KS	EM29											
N1JEZ	H	5,187	98	39	VT	FN44	W5R0K	M	1,300	41	26	TX	EM12	Rover																	
WA2VNV	A	3,480	80	30	NY	FN30	KC6ZWT	A	975	47	15	CA	CM98	WW7D/R	M	41,748	298	98	9	RA	EN31										
N2LSO	A	3,075	80	25	NY	FN30	K6ATZ	A	444	26	12	CA	CM87	K9PWR	M	26,550	199	90	6	RA	EN31										
N1IBM	A	2,028	55	26	NJ	FM29	N4DLA	A	168	15	8	CA	CM87	K9J/KR	M	10,679	122	59	4	RA	EN31										
W2CC	A	1,392	42	24	NY	FN23	WB6BET	A	161	15	7	CA	CM98	AES/P	S	8,154	101	54	10	RA	EN31										
K20O	A	1,210	39	22	NY	FN03	N6NEO	A	55	8	5	CA	DM04	K0BAK/R	M	5,800	75	50	7	RA	EN31										
W2RE4A	A	945	28	21	NY	FN02	A66AY	A	10	3	2	CA	DM04	KGM6C/R	M	4,680	81	45	8	RA	EN31										
N2BEG	A	561	25	17	NY	FN12	K6CSL	M	40	8	5	CA	CM97	WK5F/R	M	4,524	77	39	10	RA	EN31										
K2CYE	A	300	17	12	NY	FN21	N1F1R	H	24	8	3	CA	CM87	K15YG/R	M	2,244	66	34	8	RA	EN31										
WB2WPM	A	210	14	10	NY	FN02	N1F1R	H	24	8	3	CA	CM87	AB0BYR	M	1,430	33	22	3	RA	EN31										
WA3A9FS	A	65	7	5	NY	FN32	K2GMY	Q	910	48	13	CA	CM88	N60RB/R	M	1,407	56	21	2	RA	EN31										
KV2XM	A	12	4	2	NY	FN13	N0KVN	A	840	37	15	UT	DN40	N2DCH/R	M	1,050	28	25	4	RA	EN31										
K2OS	G	2,440	65	34	NY	FN12	KD7UO	M	3,379	82	31	WA	CN97	W3DH/R	M	1,000	31	25	3	RA	EN31										
N2FKF	G	2,832	59	24	NY	FN30	K7ND	M	3,360	74	32	WA	CN87	A8ZUYR	M	989	29	23	3	RA	EN31										
K2ZD	G	6,480	160	53	NY	FN21	N7EPD	A	3,275	93	25	WA	CN87	N6CP/R	M	756	27	21	4	RA	EN31										
W2L2E	G	658	49	11	NJ	FN20	K5TR1	A	378	24	9	WA	CN87	N6KL/R	M	315	17	15	2	RA	EN31										
K2MK	G	645	35	13	NJ	FN29	N7TR	A	3,275	93	25	WA	CN87	AE0EE/R	M	204	13	12	4	RA	EN31										
K2TV	G	425	25	17	NY	FN22	N7TR1	A	378	24	9	WA	CN87	Rover																	
W3HUV	G	189	21	9	NY	FN30	K7GP7	A	714	33	14	WA	CN87	VE3RX	A	54	6	6	EN96	ON											
W2CVW	G	120	15	8	NJ	FN20	N7NEV	A	714	33	14	WA	CN87	VAPC3	A	6	2	2	FN06	ON											
K2TM	G	189	21	9	NY	FN30	WT7MEM	A	476	20	17	ID	DN17	VA3TIC	2	108	9	6	FN14	ON											
W3EJP	G	180	20	9	NJ	FN20	N7TR1	A	378	24	9	WA	CN87	VE2GT	2	8	2	2	FN36	ON											
K2EJK	G	40	10	4	NJ	FN20	N7TR2	A	375	25	13	AZ	DM42	VE7XF	M	736	46	16	CN89	BC											
K2LIM	G	451	41	11	NJ	FN20	N7RK	A	330	22	11	AZ	DM33	VE3XB	M	135	15	9	FN03	ON											
N2NT	M	58,497	350	111	NY	FN12	K7XL	M	234	18	13	UT	DN41	VE7DAY	M	1	1	1	C070	BC											
K3ZD	M	26,532	271	67	NJ	FN20	W7TQ	M	102	17	6	AZ	DM43	VA3N9W	H	234	13	9	FN04	ON											
K1DS	M	240	15	10	PA	FN20	W7TQ	M	4	2	2	ID	DN32	VA3VMM	O	20	4	4	CN89	BC											
N3YUG	M	231	17	11	MD	FM18	K7WLF	M	4	2	2	AZ	DM22	VE3SSMA	M	6,095	76	53	FN05	ON											
N3VOP	M	174	19	6	MD	FM19	K7ATN	H	1,960	67	20	OR	CN85	VA2LGQ	M	561	22	17	FN15	QC											
N3EMF	M	70	7	7	PA	FN01	AE7FL	M	280	18	10	WA	CN96	VE3CRU/R	M	8,160	81	60	6	RA	EN31										
K2PLF	M	6,360	120	30	MD	FM19	K7ULQ	Q	35	5	5	NV	DM19	VE20K	M	858	33	26	DL95	DX											
K3WW	M	1,320	66	20	PA	FN20	K7IP	M	209	13	11	WA	CN88	MEXICO																	
W3DF	M	1,026	54	19	MD	FM19	N8BI	A	5,796	101	42	OH	EN91	XE2X	A	4,312	87	49	EL06	DX											
NS3L	M	372	31	12	PA	FN20	N8BQJ	A	3,915	74	45	OH	EN80	XE2JS	M	3,283	68	49	DL68	DX											
K3UA	M	117	13	9	PA	FN01	N8XA	A	1,150	36	25	OH	EM89	XEC20	M	1,200	40	30	DL95	DX											
K3CASH	M	1	1	1	MD	FM18	N8XWA	A	882	28	21	OH	EM89	XE3N	Q	1	1	1	EL60	DX											
K3KSPM	M	18	3	3	PA	FN01</																									

9A2EU	6	342	19	18	JN75	CR5A	A	77,872	493	157	IM59
9A3JF	6	99	11	9	JN75	CT7ABP	A	1,050	40	25	IM58
9A4AA	6	1	1	1	JN75						
9A2KO	Q	336	21	8	JN75						
9A5IP	Q	256	16	8	JN74	Y07BPC/P	2	1,520	40	19	KN24
9A3BS	Q	160	20	4	JN75	Y02BCT	6	3,650	73	50	KN05
9A8V	M	18,424	188	49	JN95	Y05DAS	6	27	19	KN17	
9A5G	M	14,994	154	51	JN75	Y02LEL	6	494	26	19	KN05
						Y04MM	6	120	12	10	KN45
						Y07CKQ	6	48	8	6	KN15
CZECH REPUBLIC						Y04FXZ	6	42	7	6	KN45
OK1DC	A	14,136	136	62	JN69	Y09KPJ	M	2,592	54	24	KN24
OK1KZ	A	972	47	12	J070	Y06KNY	M	4	2	2	KN36
OK1DOL	2	27,084	222	61	JN69						
OK1ATP	6	30	6	5	JN79						
OK7N	Q	660	30	22	JN69						
ENGLAND						IS0BRSR/P	6	39,664	268	148	JN40
G0LGS	A	1,200	38	30	IO81						
M0MCV	6	418	22	19	J001	YT7WE	2	3,500	70	25	KN05
G3RL	6	320	20	16	IO83	YT5W	6	4,505	85	53	KN04
G3YRZ	6	196	14	14	J001	YT5M	6	3,478	74	47	JN94
M5Z	6	36	6	6	I091	YT7W	M	18,966	169	87	JN95
Op: JK3GAD											
EUROPEAN RUSSIA											
R6CS	2	2,772	42	33	KN95	IT9XTP	6	49,580	335	148	JM68
RW7A	2	1,056	24	22	KN95	IT9CHU	6	8,190	105	78	JM76
UA6AX	2	720	24	15	KN84	IT9BCC	6	6,958	98	71	JM67
R5DC	2	450	25	9	KN95	IT9DSZ	6	6,392	94	68	JM68
Op: RL3F											
R46C	2	384	16	12	KN94	IT9JOF	6	6,272	98	64	JM68
UA4FKD	2	342	19	9	L013	S54X	6	1,073	37	29	JN76
UA4CC	2	242	11	11	L031						
UA6AH	2	208	13	8	KN94						
RA4A	2	144	9	8	L020	EA3AKY	6	32,805	243	135	JN11
RN3DKQ	2	32	4	4	KN95	EA1ASC	6	22,145	215	103	JN70
RN6BP	2	24	4	3	KN94	EA4DE	6	21,840	208	105	IN80
UA6BI	Q	8	2	2	KN85	ED3Y	6	6,032	104	58	JN11
RK6D	Q	8	2	2	KN84						
RN3F	M	4,592	56	41	K086	EA1HRR	6	3,724	76	49	IN83
R6DZ	M	1,044	29	18	KN96	EA5BB	6	2,475	55	45	IN98
Op: EA3EG8											
FINLAND						EB5CS/P	6	2,394	57	42	IN90
OH4UV	6	6	3	2	KP32	EA1SI	Q	3,108	74	42	IN73
OH1MN	A	28	9	2	KP10	EA4AA	Q	306	18	17	IN80
FRANCE						EA1BYA	Q	168	14	12	IN70
F4BKV	6	4,312	77	56	IN95	EA1AER	Q	4	2	2	IN72
F6HRP	6	2,352	56	42	IN98						
F6BQG/P	6	195	15	13	IN98						
F5SGI/P	6	64	8	8	IN99	SM7I	2	8	2	2	J065
F5MYK/P	H	16	4	4	JN24						
F4GFT	Q	64	8	8	JN18	THE NETHERLANDS					
Op: UR3EE											
GERMANY						PA5WT	6	2,132	52	41	J022
DL1DBR	2	240	15	8	J041	PA00	6	2,052	45	38	J033
DK2OY	6	768	32	24	J044	PA5KT	6	210	15	14	J011
DH5MM	Q	1	1	1	J052	UY1HY	A	7,320	96	60	K060
Op: UR3EE											
HUNGARY						US7VF	A	5,457	78	51	KN58
HG3X	2	20,592	198	52	JN96	WU6SM	A	2,278	43	34	KN28
HG5BVK/P	2	4,582	79	29	JN97	UT2QO	A	1,943	41	29	KN77
HA3DX	6	6,254	106	59	JN96	UX0FF	A	850	26	25	KN45
HA7PL	6	368	23	16	JN97	UT1VT	A	630	24	21	KN68
HA7RF	6	154	14	11	JN97	UT3IA	A	369	23	9	KN87
HA2VR/P	H	7,592	99	52	JN87	UT5DV	2	5,658	69	41	KN18
HA1WD/P	H	1,210	35	22	JN87	UR4EWZ	2	4,838	59	41	KN87
HA6VV/P	H	980	35	14	JN97	UT2QO	2	456	19	12	KN77
HA5KDQ	Q	26,397	226	63	KN97	UT5EL/A	2	420	15	14	K031
HA1ZH	Q	13,575	137	75	KN86	UT3LL	2	374	17	11	K080
HA6GW	M	68,250	318	130	KN08	UT1UL	2	286	22	13	K050
HG1W	M	53,046	261	126	KN87	UR8IF	6	110	11	10	KN88
HG6Z	M	16,640	160	52	KN97	UT2EM	6	105	15	7	K050
Op: UR3EE											
ITALY						UR5SWE	6	8,362	113	74	KN18
Z200S	A	1,440	41	24	JN45	UT7QF	6	3,290	70	47	KN77
Z5HOB	A	874	30	23	JN53	UR1WHM	6	2,562	61	42	KN69
I4JE	6	986	34	29	JN54	UT7VE	6	1,023	33	31	KN77
I25ILK	6	210	15	14	JN63	UX1UA	6	851	37	23	K050
I1BEP	6	182	14	13	JN34	UX5YA	6	704	32	22	KN87
Z1WTO	6	81	9	9	JN34	UY9YY	6	667	29	23	KN68
Z0KBA	6	35	7	5	JN61	UT4XU	6	621	27	23	K040
Z2CSX	6	25	5	5	JN45	UT4ZP	6	300	20	15	KN77
IK2SYK	6	9	3	3	JN45	UT5OZ	6	286	22	13	KN77
Z2JNN/INN	H	1,760	55	16	JN55	UT4UUP/P	H	72	12	6	K050
Op: UR3EE											
KALININGRAD						UT1UL	6	110	11	10	KN88
UA2FL	O	8	2	2	K004	UT8IF	6	64	32	1	K050
Op: UR3EE						UT2EM	6	60	6	5	KN59
LITHUANIA						UT3IB	H	64	32	1	KN87
LY2BBF	2	8	2	2	K024	UT1IC	H	42	7	3	KN88
LY1R	6	9	3	3	K014	UT3MP	H	30	5	3	KN88
Op: UR3EE						UT4UE/P	H	28	6	4	K050
LUXEMBOURG						UT4IF/P	H	10	4	2	KN97
LN1NO	6	60	10	6	JN39	UT4UUL/P	H	8	4	2	K050
Op: UR3EE						UT8AL	Q	2,001	47	23	K061
MALTA						UT7LO	Q	1,344	32	21	K080
9H1XT	6	49	7	7	JM75	UR8GZ	Q	616	25	14	KN66
Op: UR3EE						UT8IDD	Q	518	37	7	KN98
MOLDOVA						UT7JIY	Q	360	20	9	KN98
ER2AW	2	2	1	1	KN46	UR7QDO	Q	304	19	8	KN77
ER2RM	A	135	10	9	KN46	UT2IL	Q	224	28	4	KN88
Op: UR3EE						UT5JUN	Q	112	16	7	K050
POLAND						UY2UR	Q	88	11	8	K050
SP9CQ	A	858	26	22	KN09	UR3QTN	Q	80	8	5	KN77
SP9DDA	2	176	11	8	K000	UX2QL	Q	65	7	5	KN87
SP9KAO	2	128	8	8	K000	UT5ECZ	Q	64	8	8	KN68
SP9QUM	6	704	32	22	J090						
SP7AWG	6	408	24	17	J091						
SP5XOV	6	1	1	1	K002						
SP9GKJ	Q	1,150	28	25	KN09						
SP9VOU	Q	700	23	20	KN09						
SP9GLJ	Q	308	14	11	K000						
Op: UR3EE											
PORTUGAL											
CT1BOL	6	25,956	252	103	IN51						
CS7AQH	6	638	29	22	IM58						
CT1FJW	6	418	22	19	IM58						

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