

# 40<sup>th</sup> Marconi Memorial Contest - 144 MHz CW - 2012



**ARI**  
ASSOCIAZIONE RADIOAMATORI ITALIANI  
Sezione di Bologna



## Single Operator

CL	CALL	Locator	Antenna	Best DX	ODX	Claimed OSO	Claimed Score	Average ORB	Error Score	Error OSO	Error %	Final Score
1	HB9FAP	JN47PH	71 el. Yagi	SP2QBQ	988	449	200.518	447	1.447	2	0,45%	199.071
2	DK6AS	JN59OP	15 el. Yagi	YU7ACO	916	501	191.492	382	3.494	9	1,80%	187.998
3	OK1DOL	JN69OU	2 x 14 el. + 12 el. DK7ZB	YU7ACO	810	430	140.985	328	357	1	0,23%	140.628
4	OM3TZZ	JN88NG	12 el.	PA3CWN	959	353	128.406	364	820	3	0,85%	127.586
5	DK1KC/p	JN58QH	2 x 17 el. + 20 el. Group	7S7V	820	343	123.927	361	0	0	0,00%	123.927
6	DL5MAE	JN58VF	4 x 17 el. M2	M2W	876	327	122.254	374	1.135	2	0,61%	121.119
7	DL2OM/p	JO61DP	4 x 14 el. F9FT	E7CW	943	360	123.031	342	2.498	7	1,94%	120.533
8	DL61AK	JN48IX	2 x 11 el. Yagi	SP2QBQ	873	302	117.211	388	3.257	8	2,65%	113.954
9	S51ZO	JN86DR	4x14el,2x16el,4x5el	DF0MU	883	310	113.339	366	865	3	0,97%	112.474
10	DK2GZ	JN49GB	2 x 8 el. Jxx	HA6W	884	288	108.928	378	462	4	1,39%	108.466
11	DL2CC	JN48WM	2 x 9 el. Yagi	YU7ACO	953	273	106.225	389	805	3	1,10%	105.420
12	HA1A	JN87GF	8X9,8X10,2X7,2X7 DK7ZB	YO5AVN	811	295	102.070	346	1.107	3	1,02%	100.963
13	OK1PGS	JN69JW	2 x 10 el. PA0MS	Error	839	311	102.206	329	3.748	8	2,57%	98.458
14	7S7V	JO65SN	2 X EF0211b	HB9FAP	964	178	95.305	535	3.283	6	3,37%	92.022
15	F8GRY/p	JO10HE	8x4elts+2x9elts+2x9elts+12elts	DK4WW	866	228	94.826	416	5.035	10	4,39%	89.791
16	DL1CW	JN48WM	2 x 9 el. Yagi	SP2QBQ	854	239	90.380	378	871	3	1,26%	89.509
17	DL6NDW	JN57OX	2 x 9 el. F9FT	7S7V	859	257	89.818	349	334	1	0,39%	89.484
18	DL2MRE	JO60OM	2 x 8 el. DK7ZB	YU7ACO	857	288	90.467	314	1.984	6	2,08%	88.483
19	DL8UCC	JO71EQ	2 x 12 el. Yagi	I5PVA/6	914	233	84.652	363	0	0	0,00%	84.652
20	SP2QBQ	JO94BF	4 x 5 + 2 x 7 Yagi	HB9FAP	988	163	83.836	514	0	0	0,00%	83.836
21	TM9FT	JN19XH	2 x 17 el. F9FT	OK5Z	875	169	77.267	457	514	3	1,78%	76.753
22	OK6TW	JN89JM	2 x 12 el. DK7ZB	I1MXI/1	786	255	76.356	299	502	2	0,78%	75.854
23	ON4TX	JO20TX	17 el. Yagi	OE1W	867	181	77.081	426	1.450	3	1,66%	75.631
24	DM3F	JO60OM	2 x 18 el. DK7ZB	YU7ACO	857	245	75.213	307	91	1	0,41%	75.122
25	YU1LA	KN04FR	17 el. Yagi	I1RJP	971	158	73.989	468	2.391	5	3,16%	71.598
26	DL7AU	JO73CF	17 el. Yagi	TM0W	932	196	73.121	373	1.689	3	1,53%	71.432
27	DL1ARJ/p	JO60AR	n.d.	I5PVA/6	798	245	73.179	299	2.725	9	3,67%	70.454
28	DF0BV	JN58XH	11 el. Yagi	7S7V	814	204	69.697	342	0	0	0,00%	69.697
29	OK2AF	JN89AR	9 el. Yagi	I5PVA/6	736	232	68.372	295	0	0	0,00%	68.372
30	DK4WW	JO73CF	16 el. Jxx	TM0W	932	182	67.614	372	376	1	0,55%	67.238
31	HA8V	KN06HT	el-WU, 3x6el-ZB, 6el-ZB, 2x14el-	I1MXI/1	916	157	66.833	426	0	0	0,00%	66.833
32	DL3HXS	JO61BT	2 x 7 el. DK7ZB	HA6W	728	217	67.920	313	1.400	3	1,38%	66.520
33	DL2VL	JO60XX	2 x 9 el. F9FT	I5PVA/6	832	235	66.538	283	66	1	0,43%	66.472
34	SP6A	JO81NG	13 el. Yagi	I5PVA/6	924	185	66.380	359	0	0	0,00%	66.380
35	DK2ZF/p	JO43WJ	2 x 9 el. Flexa	HG1Z	882	174	69.004	397	2.708	7	4,02%	66.296
36	HA5UA/p	JN977J	9 el. + 2 x 5 el. DK7ZB	IW1AJJ/1	924	203	65.787	324	1.041	2	0,99%	64.746
37	DL3JAN	JO61VB	9 el. F9FT	YU1EF	812	228	65.102	286	761	2	0,88%	64.341
38	DL0CS	JO44WQ	8 el. Yagi	OM3TZZ	872	139	62.468	449	450	1	0,72%	62.018
39	DH5YM	JO60TR	8 el. Yagi	TM0W	714	234	62.446	267	447	1	0,43%	61.999
40	DJ5MY/p	JN68BI	18 el. M2	YU7ACO	792	179	61.423	343	1.118	3	1,68%	60.305
41	OK1FC	JN79FC	M2 + 2 x GW4CQT	YU7ACO	739	206	61.076	296	1.081	1	0,49%	59.995
42	DL1SUN	JO53PN	4 x 93 Lxpol df7kf	TM0W	853	140	57.349	410	864	3	2,14%	56.485
43	DL8UWE	JO71DT	2 x 10 el. Vargada	I5PVA/6	927	165	55.814	338	520	2	1,21%	55.294
44	OK1CZ	JO70EC	16 el. Yagi	YU7ACO	764	217	55.242	255	256	1	0,46%	54.986
45	OM2RL	JN88RNR	2 x 11 el. Yagi	DK2ZF/p	725	189	55.908	296	940	2	1,06%	54.968
46	OK2PWY	JN89WY	9 el. DK7ZB	I5PVA/6	781	191	56.172	294	1.230	5	2,62%	54.942
47	DL8OH	JO33WP	2 x 9 el. Yagi	OM3TZZ	881	134	54.938	410	490	1	0,75%	54.448
48	OM3CPF	JN98HL	10 el. DK7ZB	F6KFH	838	179	54.132	302	0	0	0,00%	54.132
49	DL5DBT	JO31TN	4 x 12 el. Yagi	OM3W	790	159	53.639	337	628	2	1,26%	53.011
50	DL5YWM	JO61OC	n.d.	F6GNJ	863	144	53.949	375	1.201	2	1,39%	52.748
51	YU7WE	KN05EJ	11 el. YU7EF	DK6AS	835	129	52.576	408	0	0	0,00%	52.576
52	DF0GEB	JO51MJ	11 el. Yagi	I5PVA/6	879	196	57.466	293	5.391	14	7,14%	52.075
53	YT7WE	KN05EJ	11 el. YU7EF	DK6AS	835	129	52.576	408	565	1	0,78%	52.011
54	DL5YM	JO62XN	2 x 9 el. Yagi	9A2L	731	167	52.795	316	1.183	3	1,80%	51.612
55	DL3WW	JO60FL	9 el. DK7ZB	F6DWG/p	742	186	53.671	289	2.395	10	5,38%	51.276
56	OK2PWR	JN89TG	9 el. Yagi	7S7V	753	184	52.170	284	1.025	3	1,63%	51.145
57	DJ9MH/p	JO33WP	9 Ueber	OM3W	862	115	51.800	450	1.435	2	1,74%	50.365
58	F6DWG/p	JN19BQ	7 el. DK7ZB	OE1W	1005	123	54.492	443	4.994	10	8,13%	49.498
59	HA5OO	JN97OM	13 el. DJ9BV	I1MXI/1	833	151	49.538	328	372	1	0,66%	49.166
60	DL9GK	JO50TI	2 x 11 el. DK7ZB	YU1EF	864	154	51.145	332	3.139	7	4,55%	48.006
61	F6DCD	JN38RQ	16xx2	OM6A	830	133	49.267	370	1.732	6	4,51%	47.535
62	DL7ANR	JO62PM	2 x 13 el. Cushcraft	TM0W	833	143	48.216	337	898	2	1,40%	47.318
63	DL2AKT	JO50NV	9 el. Flexa Yagi	I5PVA/6	823	167	51.178	306	3.937	18	10,78%	47.241

64	DL0U	JN59VL	4 x 10 el. DB6NT	YU7ACO	871	153	50.654	331	4.467	10	6,54%	46.187
65	DL2ALF	JO50IW	9 el. Flexa Yagi	ISPVA/6	832	135	49.022	363	2.954	7	5,19%	46.068
66	DL3DQL	JO61PH	8 el. DK7ZB	TM0W	737	175	48.772	279	2.939	10	5,71%	45.833
67	E77ZM	JN84PT	11 el. Yagi	DF2CK	756	122	48.881	401	3.336	7	5,74%	45.545
68	OM5CM	JN98DF	9 el. F9FT	ISPVA/6	684	169	47.181	279	2.296	7	4,14%	44.885
69	DJ0WW	JO40DF	2 x 7 el. Yagi	OM6A	766	150	45.303	302	702	2	1,33%	44.601
70	IK4PMB	JN54MM	16jxx2	HA6W	824	105	46.866	446	2.392	4	3,81%	44.474
71	UT5DV	KN18DO	9 EL DK7ZB	DL2OM/p	789	112	44.444	397	0	0	0,00%	44.444
72	IQ2CJ	JN45ON	2x17 + 7 el + 7 el. Yagi	OM6W	822	125	44.264	354	0	0	0,00%	44.264
73	HA7MB	KN07BM	12 el. DK7ZB	I1MXI/1	898	118	43.665	370	0	0	0,00%	43.665
74	DJ8MS	JO54VC	12 el. M2	F6DWG/p	825	106	45.794	432	2.710	6	5,66%	43.084
75	DJ6OL	JO52AP	11 el. Yagi	HA2R	818	123	42.214	343	366	1	0,81%	41.848
76	DL5JRA	JO60EM	n.d.	F8GRY/p	693	152	42.954	283	1.448	5	3,29%	41.506
77	I2XAV/1	JN44MU	4 x 10 el. DK7ZB	OM6A	877	100	43.086	431	2.827	6	6,00%	40.259
78	DJ3XK	JO53AN	15 el. Yagi	OM6A	784	101	41.508	411	1.520	3	2,97%	39.988
79	DK8RE	JO61OC	17 el. M2	OM3KDX	687	151	41.014	272	1.034	3	1,99%	39.980
80	OK2SSJ	JN89WW	8 el. DK7ZB	ISPVA/6	817	148	40.028	270	401	2	1,35%	39.627
81	OM3R	JN88QQ	17 el. F9FT	SK7MW	799	143	39.350	275	338	2	1,40%	39.012
82	DL2DRG	JO70IT	4 Fach Quadlong	YU7ACO	806	173	41.162	238	2.410	9	5,20%	38.752
83	OM0TT	KN08XQ	8 el. Yagi	OL7C	688	101	37.353	370	0	0	0,00%	37.353
84	DL6UNF	JO71IW	11 el. Yagi	ISPVA/6	946	131	38.196	292	1.156	3	2,29%	37.040
85	I3LGP	JN55VK	19 el lly	YU7ACO	750	97	37.299	385	407	1	1,03%	36.892
86	DK6NJ	JN59WL	14 el. ParaBeam	ISPVA/6	660	124	36.891	298	321	2	1,61%	36.570
87	DL1BUG	JO72AI	11 el. Flexa Yagi	HB9FX	712	122	36.563	300	0	0	0,00%	36.563
88	IK4WVK	JN54MO	16 el. Yagi - HM	OM3W	755	96	38.321	399	1.926	5	5,21%	36.395
89	DK3YD	JN58TE	2 x 10 el. Yagi	YU1EF	737	121	37.244	308	1.126	2	1,65%	36.118
90	OK1HX	JO70ND	16 el. F9FT	ISPVA/6	758	141	35.889	255	0	0	0,00%	35.889
91	OK1FHI	JO70GS	9 el. Yagi	YU7ACO	809	148	35.697	241	0	0	0,00%	35.697
92	YU1EO	KN04FR	Yagi	DL0STO	836	93	36.904	397	1.551	3	3,23%	35.353
93	OK2HBR	JN89PP	8 el. Yagi	DK0BN	683	140	36.324	259	1.315	4	2,86%	35.009
94	DL4CF	JO51TH	9 el. Yagi	HA6W	731	129	35.048	272	821	3	2,33%	34.227
95	OE1ILW/3	JN77XX	6 ele	757V	860	121	37.076	306	2.928	11	9,09%	34.148
96	DL7ULM	JN58WG	6 el. Yagi + HB9CV	F8GRY/p	705	109	34.145	313	0	0	0,00%	34.145
97	OM3EE	JN88RF	7 el. Quad	I1MXI/1	744	137	34.852	254	939	3	2,19%	33.913
98	OK2DGB	JN79RL	7 el. Yagi	YU1VG	750	138	33.834	245	428	1	0,72%	33.406
99	DJ3HW	JO42LH	8 el. Yagi	HA2R	848	78	33.813	434	410	1	1,28%	33.403
100	G4ZTR	JO01KW	16 el. jxx	DF0MTL	826	87	33.023	380	0	0	0,00%	33.023
101	HA7PL/p	JN97KW	DJ9BV	DK0BN	838	120	35.245	294	2.247	4	3,33%	32.998
102	HA7SQ/p	JN97KW	DJ9BV	DK0BN	838	112	34.237	306	1.311	3	2,68%	32.926
103	DL8UAT	JO61OC	17 el. Yagi	ISPVA/6	841	107	33.081	309	161	1	0,93%	32.920
104	ON4KHG	JO10XO	12 el. DK7ZB	OE1W	894	65	32.564	501	0	0	0,00%	32.564
105	OK2KG	JN89JJ	7 el. DK7ZB	DF0MU	735	134	33.481	250	1.142	5	3,73%	32.339
106	OM2DT	JN88RT	DK7ZB	F6KFH	749	137	35.706	261	3.685	9	6,57%	32.021
107	OM5LD	JN98AH	GW4CQT	Error	678	141	33.048	234	1.081	2	1,42%	31.967
108	OK1MWW	JN89EX	7 el. DK7ZB	DF0MU	678	132	33.548	254	1.669	4	3,03%	31.879
109	ON4LDP	JO10UN	n.d.	OL3Z	767	74	33.807	457	2.446	4	5,41%	31.361
110	DJ7R	JN59UK	4 x 10 Yagi	YU1EF	799	106	34.818	328	3.527	8	7,55%	31.291
111	DK5JM	JO43QS	2 x 10 el. Yagi	OM3TZZ	817	73	32.045	439	850	2	2,74%	31.195
112	DH6DAO	JO41CN	9 el. F9FT	OM3W	751	86	31.713	369	544	2	2,33%	31.169
113	DL1SUZ	JO53UN	2 x 12 el. M2	TM0W	866	75	31.708	423	686	1	1,33%	31.022
114	OM5CX	JN98CA	7 el. DK7ZB	ISPVA/6	663	113	30.758	272	0	0	0,00%	30.758
115	DL2YDS	JO32RG	4 el. Yagi	OM3W	824	89	30.834	346	108	1	1,12%	30.726
116	OK2BUC	JN99BN	2 x 6 el. Yagi	OK2PLC	0	123	36.716	299	6.196	8	6,50%	30.520
117	DK2WU	JN58WW	12 el. Yagi	YU1EF	897	114	34.040	299	3.619	8	7,02%	30.421
118	DF6MU	JN58WF	11 el. Hybrid Quad	YU1EF	722	106	32.141	303	2.060	8	7,55%	30.081
119	OM3LO	JN98AV	7 el. Quad	ISPVA/6	729	130	32.325	249	2.435	12	9,23%	29.890
120	F6ACU	JN38FC	9 el. Yagi	OK5Z	718	84	30.372	362	491	1	1,19%	29.881
121	DL1EIP	JO31DF	Yagi	OE1W	763	79	30.350	384	511	2	2,53%	29.839
122	DL3LA	JO51TK	11 el. Yagi	HASKDQ	683	103	29.841	290	302	1	0,97%	29.539
123	HB9CQL	JN37UM	13 el. Yagi	OK5Z	650	108	31.549	292	2.086	7	6,48%	29.463
124	DL1FAA	JO40PG	Flexa FX224	ISPVA/6	786	90	30.214	336	913	3	3,33%	29.301
125	DL2RUG	JO620J	10 el. Yagi	HB9FX	684	102	28.985	284	0	0	0,00%	28.985
126	DK9TF	JO31NF	13 el. Yagi	OM3W	816	77	29.993	390	1.177	4	5,19%	28.816
127	DM5WF	JO61OC	n.d.	YO5AMF	779	111	28.974	261	338	1	0,90%	28.636
128	DJ8EW	JN58WH	9 el. Flexa Yagi	F8GRY/p	703	91	28.666	315	179	1	1,10%	28.487
129	OK1BMW	JO70EI	9 el. Yagi	YU7ACO	783	101	30.340	300	2.019	6	5,94%	28.321
130	OM3CLS	JN99FC	7 el. DK7ZB	ISPVA/6	764	91	29.470	324	1.305	4	4,40%	28.165
131	DL5MO	JO50LQ	10 el. Yagi	HA2R	628	113	28.241	250	319	2	1,77%	27.922
132	IK3CAG	JN65CM	17 el. F9FT	HA6W	688	73	28.476	390	596	1	1,37%	27.880
133	OM3WC	JN88TI	7 el. DK7ZB	ISPVA/6	662	77	27.806	361	483	1	1,30%	27.323
134	G7RAU	IO90IR	12 el. M2	DF1PAW	807	71	27.173	383	0	0	0,00%	27.173
135	HG5BVK/p	JN97LF	17 EL. F9FT, 11EL LFA, Big	DL1CW	692	88	27.483	312	704	2	2,27%	26.779
136	US5WU	KO20DI	7 el. DK7ZB	S57C	819	52	26.593	511	0	0	0,00%	26.593

137	OM6TX	JN99JK	17 el. Yagi	HB9FAP	741	111	27.291	246	705	3	2,70%	26.586
138	DK5EZ	JO31MG	2 x 11 el. Yagi	OK2C	808	66	27.035	410	627	1	1,52%	26.408
139	OM4J	JN88WU	7 el. DK7ZB	ISPVA/6	716	111	26.342	237	380	1	0,90%	25.962
140	DF1PAW	JO40BP	11 el. Yagi	OM8A	770	52	27.507	529	1.679	6	11,54%	25.828
141	IK3ZVO	JN55XA	17 el. F9FT	HA6W	733	52	25.756	495	0	0	0,00%	25.756
142	OM7AC	JN98NO	2 x 9 el. DK7ZB	DL2CC	681	97	25.920	267	211	1	1,03%	25.709
143	IZ1OKG/4	JN54DJ	12 el. Yagi	OM6A	832	64	28.001	438	2.336	5	7,81%	25.665
144	SN2DX	JO93AI	n.d.	HG1Z	728	63	25.662	407	0	0	0,00%	25.662
145	DJ5NQ	JO50TI	2 x 9 el. Yagi	HA8V	770	80	26.598	332	967	5	6,25%	25.631
146	OK1DRX	JN79DW	7 el. DK7ZB	YU7ACO	756	120	25.541	213	359	1	0,83%	25.182
147	DL9FBF	JN49GX	9 el. Yagi	OM6A	746	74	25.231	341	886	2	2,70%	24.345
148	SP1JNY	JO73GL	4 x 17 el. F9FT	HB9FAP	780	73	24.314	333	0	0	0,00%	24.314
149	IW31NQ/3	JN65CP	17 el. Yagi	HA6W	683	59	25.140	426	972	2	3,39%	24.168
150	DK5DQ	JO31PH	11 el Flexa Yagi	OM3W	810	72	24.936	346	810	1	1,39%	24.126
151	DL3IAS	JN49EJ	10 el. DK7ZB	SK7MW	739	72	24.097	335	0	0	0,00%	24.097
152	OK7LB	JN99FQ	9 el. Yagi DK7ZB	DK0BN	766	87	24.719	284	948	5	5,75%	23.771
153	OK1VSJ	JN69IS	4 x 7 el. Yagi	ISPVA/6	691	92	24.635	268	893	3	3,26%	23.742
154	DK9HE	JO53BI	10 el. Yagi	OM3TZZ	749	62	23.720	383	0	0	0,00%	23.720
155	DG6ISR	JO61PK	17 el. M2	ISPVA/6	878	73	24.081	330	564	2	2,74%	23.517
156	DL3YEE	JO50LU	5 el. DK7ZB	HG7F	671	73	24.695	338	1.226	3	4,11%	23.469
157	DO6PS	JN58OE	9 el. F9FT	YU1EF	765	82	23.345	285	0	0	0,00%	23.345
158	HA7RF/p	JN97KW	10 el. Yagi	DL1CW	670	90	24.141	268	812	5	5,56%	23.329
159	DL8UPB	JO71IW	9 el. Yagi	S57C	655	77	24.016	312	752	2	2,60%	23.264
160	OK1DDV/p	JN79EI	7 el. DK7ZB	ISPVA/6	660	101	24.316	241	1.052	5	4,95%	23.264
161	DD7EQ	JO31IG	16 el. Yagi	OE1W	739	66	23.516	356	293	1	1,52%	23.223
162	OK1HFP	JN69IS	10 el. DK7ZB	ISPVA/6	691	133	24.509	184	1.318	4	3,01%	23.191
163	9A4QV	JN75BB	2 el. Yagi	DK0BN	718	75	23.361	311	240	1	1,33%	23.121
164	I1RJP	JN45BO	2 x 16 el. Yagi	YU1LA	971	53	29.857	563	6.921	1	1,89%	22.936
165	DL4AUK	JO50FR	n.d.	OM6A	624	90	24.068	267	1.202	3	3,33%	22.866
166	DF1HE	JO32WD	10 el. Cuu Dee	OM3W	792	61	22.503	369	0	0	0,00%	22.503
167	DL5JS	JO31JF	11 el. Yagi	OE1W	732	71	23.032	324	638	1	1,41%	22.394
168	DJ2MX	JN58TX	9 el. F9FT	E7CW	682	78	22.355	287	185	1	1,28%	22.170
169	DL3EAZ/p	JO30PR	2 x 7 el. Yagi	OE1W	677	73	22.149	303	0	0	0,00%	22.149
170	DF3OL	JO52EJ	4 el. Yagi	OM3TZZ	663	62	21.878	353	0	0	0,00%	21.878
171	SP2HPD	JO94JC	12 el. DK7ZB	HA5KDQ	728	44	21.717	494	0	0	0,00%	21.717
172	DK2YCT	JO32RG	11 el. Yagi	HB9FAP	567	73	22.431	307	1.111	3	4,11%	21.320
173	OK1FLY	JO70FC	7 el. Lfa G0KSC	ISPVA/6	742	117	22.521	192	1.222	5	4,27%	21.299
174	SP9AMH	JO90NC	9 el. Yagi	HB9FAP	785	63	21.192	336	0	0	0,00%	21.192
175	SP9CQD	JN99OR	2 x DK7ZB	E7CW	610	77	20.826	270	0	0	0,00%	20.826
176	YU1EM	KN04FT	4 x 10 el. DJ9BV	DLOSTO	829	52	21.237	408	549	2	3,85%	20.688
177	OM5UM	JN98EO	DL7KM	DK6AS	535	100	21.285	213	770	2	2,00%	20.515
178	DL9MKA	JO51SW	10 el. Yagi	9A2L	735	65	21.764	335	1.417	3	4,62%	20.347
179	DL7YS	JO62NM	11 el. Flexa	TM0W	825	47	20.283	432	0	0	0,00%	20.283
180	DM4TI	JO51MD	12 el. Yagi	HA5KDQ	698	71	21.367	301	1.133	3	4,23%	20.234
181	OE3ARC	JN78XD	10el Yagi	DK0BN	626	86	21.366	248	1.206	5	5,81%	20.160
182	OK2PSC	JN99FU	2 x 9 el. DK7ZB	ISPVA/6	832	64	21.174	331	1.174	3	4,69%	20.000
183	F8ATS	JN18DP	17 el. Yagi	OE5D	815	58	21.232	366	1.318	3	5,17%	19.914
184	DJ2GM	JN58SC	9 el. Yagi	OM6A	545	77	20.859	271	999	3	3,90%	19.860
185	DJ2IA	JO61WN	11 el. Yagi	7S7V	668	83	21.330	257	1.531	4	4,82%	19.799
186	SP6TRX	JO71VQ	n.d.	PC5M	733	74	19.741	267	0	0	0,00%	19.741
187	YO5DAS	KN17DO	DK7ZB	OL3Y	727	55	19.807	360	146	1	1,82%	19.661
188	DF3RL	JN59WL	12 el. Yagi	YU1EF	792	50	20.312	406	686	1	2,00%	19.626
189	F6GNJ	JN08TV	4 x 9 el. Yagi	DL5YWM	864	55	21.058	383	1.499	3	5,45%	19.559
190	DK1WB	JO52IJ	11 el. Yagi	HA2R	767	60	20.943	349	1.554	5	8,33%	19.389
191	OK2BMJ	JN89VD	4 el. + 9 el. Yagi	ISPVA/6	740	92	19.208	209	0	0	0,00%	19.208
192	G3MEH	IO91QS	2 x 9 el.	DK6AS	866	53	19.059	360	0	0	0,00%	19.059
193	DL3YM	JN49EA	5 el. Yagi	S57UN	639	67	18.953	283	138	1	1,49%	18.815
194	OM3ID	JN88ME	PA0MS	DL7AU	595	90	18.763	208	0	0	0,00%	18.763
195	F5LGF	JN38VT	17 el. Yagi	OM3W	762	60	19.808	330	1.094	5	8,33%	18.714
196	UT5DL	KN18EP	16 el. Yagi	DF2CK	666	52	18.627	358	50	1	1,92%	18.577
197	OK1AKL	JO70FA	9 el. Yagi	F6KDL/p	586	91	18.833	207	309	2	2,20%	18.524
198	DH7HU/p	JO62TL	9 el. Yagi	HG1Z	668	70	18.817	269	294	1	1,43%	18.523
199	IZ3BJA	JN65DN	2 x 4 el. Yagi	HG6Z	634	72	19.441	270	958	2	2,78%	18.483
200	LZ1ZP	KN22ID	10 el. YU7EF	S50C	914	34	17.999	529	0	0	0,00%	17.999
201	DL1YD	JN48SS	9 el. Yagi	M2W	700	73	18.079	248	197	1	1,37%	17.882
202	DL0DFS	JO40BP	10 el. Yagi	OM3W	736	58	17.984	310	347	2	3,45%	17.637
203	OK2SS	JN99CT	2 x 5 el. DK7ZB	ISPVA/6	818	52	18.241	351	614	3	5,77%	17.627
204	SP5TWA	JO91QT	7 el. Yagi	S50C	701	47	17.460	371	0	0	0,00%	17.460
205	SP3QDM	JO82EF	9 el. DK7ZB	HB9FAP	747	50	17.420	348	0	0	0,00%	17.420
206	DL6UHA	JO71HR	11 el. Yagi	9A2L	629	68	17.141	252	0	0	0,00%	17.141
207	DL4MHA	JN58QI	5 el. Yagi	ON4TX	566	61	17.535	287	630	2	3,28%	16.905
208	DF8TM	JN49QH	2 x 7 el. Yagi	OM6A	685	54	18.182	337	1.280	5	9,26%	16.902
209	DA0FO	JO72GH	13 el. Yagi	9A2L	694	64	16.798	262	0	0	0,00%	16.798

210	HA9MDN/p	JN86PX	AM-1011	I1MXI/1	676	62	17.510	282	924	4	6,45%	16.586
211	OK1A	JN69QT	12 el. Yagi	I5PVA/6	698	69	16.897	245	408	1	1,45%	16.489
212	IK3TPP	JN65CP	17 el. Yagi	HA6W	683	37	16.277	440	0	0	0,00%	16.277
213	OK1VBN	JN78FX	PA0MS	I5PVA/6	620	83	17.187	207	1.222	4	4,82%	15.965
214	DK5AI	JO51GO	9 el. Indoor	HA2R	714	57	16.162	284	271	1	1,75%	15.891
215	DK5IR	JN49IC	11 el. Yagi	OM6A	734	53	17.206	325	1.360	6	11,32%	15.846
216	DL7UMK	JO62TI	5 el. Yagi	HA2R	645	68	15.650	230	0	0	0,00%	15.650
217	HB9AOF	JN36AD	19 el. Yagi	DL2OM/p	763	43	15.543	361	0	0	0,00%	15.543
218	DL6MVC	JO51TU	HB9CV	OM8A	628	68	16.604	244	1.181	5	7,35%	15.423
219	DL5MEL	JN49DC	7 el. DK7ZB	OM3W	721	53	16.152	305	815	3	5,66%	15.337
220	DL9ECA	JO31CQ	n.d.	OK1KCR	707	45	17.434	387	2.112	5	11,11%	15.322
221	SP3JUN	JO72SV	13 el. Yagi	S51ZO	688	50	15.202	304	0	0	0,00%	15.202
222	DL8GP	JN39LH	8 x KreuzYagis	757V	826	30	16.204	540	1.023	2	6,67%	15.181
223	HA5NF	JN97OL	9 el. Yagi	DJ5NQ	639	50	16.303	326	1.168	4	8,00%	15.135
224	DL5BCQ	JO42ES	2 x 11 el. Yagi	HB9FX	635	54	16.975	314	1.853	4	7,41%	15.122
225	DG6ME	JO51JU	7 el. Yagi	OM3W	595	60	15.336	256	219	1	1,67%	15.117
226	GOJJG	JO02LE	11 el. F9FT	HB9FAP	806	47	15.021	320	0	0	0,00%	15.021
227	DL5NEN	JN59MO	12 el. Yagi	I5PVA/6	682	54	15.427	286	487	2	3,70%	14.940
228	DK5WO	JO30AS	13 el. Yagi	OE1W	760	42	15.655	373	907	2	4,76%	14.748
229	DL1ALN	JO51ND	4 el. Yagi	TM0W	620	71	14.973	211	301	1	1,41%	14.672
230	OK1ANP	JN78FX	PA0MS	I5PVA/6	621	61	14.645	240	0	0	0,00%	14.645
231	OK2VG	JN99CQ	7 el. Quad	E71CW	603	71	15.594	220	1.000	3	4,23%	14.594
232	9A204M	JN85EI	4 x 15 el. Yagi	LZ1ZP	758	44	14.454	329	0	0	0,00%	14.454
233	OM3PV	JN88TI	4 el. OK1KRC	DK2GZ	672	45	15.522	345	1.095	2	4,44%	14.427
234	DP4M	JO42BB	n.d.	OK5Z	629	52	16.909	325	2.637	7	13,46%	14.272
235	UT8LE	KN79WW	16 Yagi	RN3F	703	32	15.317	479	1.215	2	6,25%	14.102
236	DL5ALW	JO51PD	10 el. Yagi	HA6W	744	38	13.677	360	0	0	0,00%	13.677
237	DL1DBR	JO41BN	7 el. Yagi	OM3W	756	40	14.254	356	689	1	2,50%	13.565
238	OK1IA	JO70WE	GW4CQT	I5PVA/6	779	58	13.524	233	0	0	0,00%	13.524
239	DL4HG	JO53CM	7 el. Yagi	OE1W	725	44	14.773	336	1.253	4	9,09%	13.520
240	DL8OAY	JO52AO	9 el. Flexa Yagi	M2W	690	48	16.511	344	3.004	9	18,75%	13.507
241	DO9PL	JO31LG	2 x 7 el. Yagi	OK1KCR	646	50	13.546	271	244	1	2,00%	13.302
242	9A3TU	JN95EH	15 el. DJ9BV	OL4A	689	48	14.320	298	1.021	3	6,25%	13.299
243	DL1DSW	JO70HX	11 el. F9FT	HA6W	532	59	13.196	224	0	0	0,00%	13.196
244	UR5LX	KO70WK	4 x 12 el. Yagi	RT7G	747	38	13.919	366	737	2	5,26%	13.182
245	9A3QB	JN95HN	n.d.	OK1OPT	641	49	13.889	283	852	2	4,08%	13.037
246	DK3RA	JO53LU	n.d.	HB9FX	776	36	14.357	399	1.386	4	11,11%	12.971
247	E71W	JN93GT	10 el. Quad + 13 el. Yagi	OK2KGB	666	42	13.667	325	706	2	4,76%	12.961
248	DL2MEP/p	JO40GB	HB9CV	F6ETI/p	670	40	13.029	326	89	1	2,50%	12.940
249	9A3ST	JN75BB	9 el. Yagi	HA6W	588	46	12.912	281	0	0	0,00%	12.912
250	OK1DJS	JO70FB	4 el. Yagi	I5PVA/6	738	72	12.848	178	35	1	1,39%	12.813
251	DJ7FM	JN68IO	n.d.	ON4TX	642	60	13.552	226	779	4	6,67%	12.773
252	OM7CM	JN98NR	9 el. F9FT	Error	498	60	13.589	226	838	2	3,33%	12.751
253	DJ2QV	JN58UA	8 el. Yagi	HA6W	651	35	12.742	364	0	0	0,00%	12.742
254	DK2BJ	JO30BS	9 el. Yagi	OK1KCR	696	32	13.812	432	1.081	2	6,25%	12.731
255	OM3TGE	JN98FV	9 el. Yagi	I5PVA/6	748	58	14.794	255	2.075	5	8,62%	12.719
256	DD2ML	JN68FF	7 el. Yagi	YU1EF	683	50	12.631	253	57	1	2,00%	12.574
257	DH9FAV	JN49HX	11 el. Flexa	OM3W	694	33	12.966	393	415	1	3,03%	12.551
258	DM2RN	JO51UM	9 el. Yagi	S57UN	614	55	13.074	238	552	2	3,64%	12.522
259	9A2SB	JN95GM	10 el. DL6WU	DF2CK	719	38	12.386	326	0	0	0,00%	12.386
260	DL7KMA	JO62NK	10 el. Yagi	OM8A	608	50	12.168	243	0	0	0,00%	12.168
261	DF2ZC	JO30RN	4 x 2M18xxx	OM8A	812	23	13.155	572	995	2	8,70%	12.160
262	DL1BSN	JO62WN	2 x 9 el. Yagi	HB9FX	725	38	12.098	318	0	0	0,00%	12.098
263	DF7RG	JN68HG	16 el. F9FT	YU1EF	675	43	12.072	281	0	0	0,00%	12.072
264	IZ6BTN	JN63MO	9 el. Yagi HM	OK2KKW	735	25	12.688	508	665	1	4,00%	12.023
265	F8IQS	IN99RI	Yagi	DM5C	774	34	12.257	361	274	1	2,94%	11.983
266	DL4AMM	JO51MG	10 el. Yagi	757V	506	61	12.882	211	1.147	6	9,84%	11.735
267	OE3RTB	JN88ER	Yagi 13 Element	YU1LA	543	61	11.729	192	0	0	0,00%	11.729
268	DL2BUM	JO72GG	10 el. LanYagi	9A2L	689	41	11.570	282	0	0	0,00%	11.570
269	HB9DPY/p	JN37RA	2 x 10 el. Yagi	DL2OM/p	622	42	12.474	297	1.045	3	7,14%	11.429
270	DR2Q	JO51MF	6 el. Yagi	HA5KDQ	703	53	12.016	227	592	3	5,66%	11.424
271	OM0AST	KN09PH	10 el. Yagi	OL3Y	616	38	12.198	321	781	4	10,53%	11.417
272	IZ3ETC	JN55UQ	9 el. Yagi	YU1LA	694	42	14.400	343	3.181	6	14,29%	11.219
273	DK0SU	JN48NR	9 el. Yagi	I5PVA/6	632	49	11.237	229	42	1	2,04%	11.195
274	OK5ET	JN69QS	4 el. Yagi	HA6W	552	60	11.291	188	98	1	1,67%	11.193
275	LZ1JH	KN12PQ	8 el. LZ1OA	S50C	783	27	11.319	419	209	1	3,70%	11.110
276	G4HGI	IO83PL	12 el. Jxx	TM9FT	655	39	11.063	284	0	0	0,00%	11.063
277	DL8ZAJ	JO40KD	10 el. Yagi	IW1AJJ/I	636	36	11.033	306	0	0	0,00%	11.033
278	DL4EBW	JO31MG	2 x 11 el. Flexa Yagi	OE1W	689	27	12.076	447	1.129	2	7,41%	10.947
279	DH1VY	JN39KF	9 el. F9FT	F6ETI/p	520	35	11.037	315	252	1	2,86%	10.785
280	DL1RNN	JO52IJ	8 el. DK7ZB	HA5KDQ	798	34	11.171	329	447	1	2,94%	10.724
281	HB9EWY/p	JN37MD	14 el. + 4 x 2 el. Oblong	DF2CK	677	41	11.300	276	775	4	9,76%	10.525
282	OM8MM	KN08PR	7 el. Yagi	S50C	559	37	11.340	306	823	3	8,11%	10.517

283	DL5RDP	JN58QE	9 el. Flexa Yagi	E7CW	703	40	11.056	276	622	2	5,00%	10.434
284	G3TCU	IO91QE	9 el. F9FT	TM0W	706	53	10.213	193	0	0	0,00%	10.213
285	IK3MLF	JN55WJ	17 el. F9FT	OM3W	646	36	11.323	315	1.171	3	8,33%	10.152
286	DL1KAS	JO30UX	4 el. Oblon	G7RAU	633	48	10.638	222	526	2	4,17%	10.112
287	DK2RT	JN47OQ	10 el. Yagi	OK1AR	792	38	11.553	304	1.452	3	7,89%	10.101
288	E76D	JN94AR	5 EL. DL6wu	OK1DOL	676	34	10.714	315	648	2	5,88%	10.066
289	9A2BW	JN83GJ	7 el. Yagi	OK1KCR	712	27	9.917	367	0	0	0,00%	9.917
290	DL1DXA	JN58UH	9 el. Yagi	HA6W	649	48	10.161	212	395	1	2,08%	9.766
291	F5FMI	JN07XT	4 x 7 + 3x(2x4) DK7ZB	OL3Y	816	25	9.623	385	0	0	0,00%	9.623
292	YU1RA	KN04FP	9 el. YU1QT	OK2M	748	24	9.527	397	0	0	0,00%	9.527
293	DL1YEN	JO42GE	11 el. Yagi	TM0W	641	28	9.478	339	75	1	3,57%	9.403
294	OK2PCL	JN89HE	LPD	IQ3LX	519	50	9.813	196	426	2	4,00%	9.387
295	DF3TE	JO30JP	n.d.	OE1W	706	25	9.290	372	0	0	0,00%	9.290
296	OK2BWB/p	JN89AO	Quad	S57M	339	57	9.227	162	0	0	0,00%	9.227
297	DL5YEE	JO42GF	2 x 11 el. Yagi	OM3TZZ	752	27	10.575	392	1.414	3	11,11%	9.161
298	SP6MRM	JO81KG	16 el. F9FT	9A2L	561	33	9.002	273	0	0	0,00%	9.002
299	HB9BLF	JN37KB	13 el. Lfa	OK1AR	598	38	10.104	266	1.138	2	5,26%	8.966
300	OK2BHL	JN88WX	10 el. F9FT	HB9FAP	664	31	9.518	307	645	1	3,23%	8.873
301	OM5GU	JN97BX	12 el. Lpda	ISPVA/6	655	47	9.008	192	218	1	2,13%	8.790
302	OM2IV	JN88SP	7 el. Yagi	YU7ACO	489	53	8.770	165	0	0	0,00%	8.770
303	OE5KAP	JN67VW	9el Yagi	ISPVA/6	496	42	9.998	238	1.280	4	9,52%	8.718
304	DK5EQ	JO31QG	11 el. Yagi	M2W	490	39	8.704	223	0	0	0,00%	8.704
305	DL2HTF	JO61JP	9 el. Yagi	HA5KDQ	635	22	8.819	401	190	1	4,55%	8.629
306	DL6RO	JO53CI	n.d.	OM3W	813	25	9.440	378	813	1	4,00%	8.627
307	OK1JDJ	JO70AQ	X 300	HB9FAP	511	60	8.800	147	272	2	3,33%	8.528
308	LZ4BF	KN23HJ	4 x 12 el. DK7ZB	S50C	839	20	10.277	514	1.798	3	15,00%	8.479
309	F6BUL	JN53BV	17 el. F9FT	OK1AR	660	28	8.874	317	429	1	3,57%	8.445
310	9A2XW	JN75SM	9 el. Yagi	DK6AS	562	33	8.304	252	0	0	0,00%	8.304
311	OE3PVC/P	JN88LD	9element Yagi	DL7ANR	552	40	9.518	238	1.247	5	12,50%	8.271
312	DL3MR	JO61VA	10 el. Flexa Yagi	HA6W	583	40	8.554	214	405	1	2,50%	8.149
313	DM3PKK	JO50CB	10 el. Yagi	F6ETI/p	760	30	8.836	295	776	2	6,67%	8.060
314	HB9CCK	JN47PM	13 el. Yagi	OM3W	688	31	8.035	259	0	0	0,00%	8.035
315	DL7ACN	JN49ID	n.d.	OE1W	520	42	8.050	192	59	1	2,38%	7.991
316	DL0SP	JO62NM	11 el. Flexa	HA2R	678	20	7.988	399	0	0	0,00%	7.988
317	DP6T	JO40PG	FX224 Flexa	HA2R	706	20	7.781	389	0	0	0,00%	7.781
318	OM1RV	JN88NC	9 el. Yagi	ISPVA/6	618	30	8.932	298	1.161	3	10,00%	7.771
319	G0HGH	IO92WS	11 el. F9FT	DM5C	651	30	7.746	258	0	0	0,00%	7.746
320	YU2KU	KN04ET	9 el F9FT	ISPVA/6	640	30	7.649	255	51	1	3,33%	7.598
321	I2AT	JN45QO	n.d.	OK2KGB	618	24	8.101	338	611	1	4,17%	7.490
322	YU1ZZ	JN93WU	17 el. Cuschraft	OM6A	590	22	7.707	350	353	1	4,55%	7.354
323	OK1DEK	JN79EP	3 el. Yagi	YU1EF	666	40	7.485	187	135	2	5,00%	7.350
324	OK1ANA	JO70VE	5 el. Yagi	DK0BN	573	45	7.684	171	484	4	8,89%	7.200
325	UT5U	KO50FJ	4 x 6 el. Yagi	RT7G	1039	17	7.298	429	138	1	5,88%	7.160
326	OK1VM	JO70AQ	9 el. Yagi	HA6W	549	45	7.364	164	219	2	4,44%	7.145
327	9A2LG	JN85WL	SlimJim	HA6W	348	38	7.157	188	214	1	2,63%	6.943
328	9A2YF	JN8500	11 el DL6WU	IW1AJJ/I	781	22	7.620	346	687	3	13,64%	6.933
329	DL3HWM	JO51XI	4 el. Yagi Hunter	OM8A	574	37	6.920	187	0	0	0,00%	6.920
330	DF6RI	JN59RL	n.d.	F8GRY/p	639	33	7.078	214	388	1	3,03%	6.690
331	F6EVG	JN29CQ	4 el. Yagi	DJ9MH/p	507	13	6.655	512	0	0	0,00%	6.655
332	DL5DBN	JO40BP	10 el. Yagi	OM3W	736	20	6.534	327	0	0	0,00%	6.534
333	M5O	IO91VB	7 zl	TM0W	675	31	6.363	205	0	0	0,00%	6.363
334	OM4NI	JN98AV	7 el. Yagi	9A1W	392	41	6.580	160	228	1	2,44%	6.352
335	DK1MIR	JN58TE	6 el. Yagi	OK2C	489	30	6.698	223	412	2	6,67%	6.286
336	DL6UAE	JO72HC	5 el. Yagi	9A2L	670	27	7.234	268	967	3	11,11%	6.267
337	RA3RF	LO03WK	3wl	UT8LE	569	19	6.252	329	0	0	0,00%	6.252
338	OK1ARO	JO70FA	4 el. Yagi	HA6W	489	54	6.403	119	284	2	3,70%	6.119
339	SP3NYR	JO72PR	n.d.	S57UN	662	22	6.110	278	0	0	0,00%	6.110
340	DL3AWI	JO51MF	9 el. Yagi	TM0W	624	28	6.191	221	103	1	3,57%	6.088
341	DL4VAI	JN39PJ	8 el. DK7ZB	OM8A	795	26	6.722	259	644	1	3,85%	6.078
342	DM8FW	JN58LI	5 el. Hybrid Quad	ISPVA/6	547	28	6.534	233	475	2	7,14%	6.059
343	DL4EAX	JO31IG	n.d.	OK2M	531	25	6.456	258	472	2	8,00%	5.984
344	HB9CEJ	JN47LJ	7 el. Flexa Yagi fx213	DL3HXS	542	25	6.182	247	239	3	12,00%	5.943
345	UR3VIO	KN69PC	9 el. DK7ZB	RT7G	790	18	6.190	344	360	1	5,56%	5.830
346	F2NY	JN23LL	14 el. HM	ISPVA/6	612	21	6.132	292	309	1	4,76%	5.823
347	DO1MGN	JO50FO	4 el. Yagi	OE1W	453	36	6.931	193	1.147	4	11,11%	5.784
348	HB9CLN	JN47BH	11 EL. yAGI	DM5C	560	23	5.995	261	267	1	4,35%	5.728
349	F8DBF	IN78RI	17 el. Yagi	F6KDL/p	867	12	5.698	475	0	0	0,00%	5.698
350	DL2YAJ/p	JN49GX	6 el. Flexa	IW1AJJ/I	614	20	5.689	284	0	0	0,00%	5.689
351	SP8CUR	KO10CB	17 el. F9FT	S50C	693	11	5.683	517	0	0	0,00%	5.683
352	OK1SI	JO70GD	5/8 Lamda	DK0BN	469	45	5.890	131	317	1	2,22%	5.573
353	DL4MW	JO50KQ	10 el. Yagi	OM8A	595	26	6.668	256	1.109	3	11,54%	5.559
354	G8N	IO92LH	7 el. ZL	DF0MU	568	27	5.443	202	0	0	0,00%	5.443
355	9A4HP	JN75OG	9 el. Yagi + DualBand	HA6W	506	26	5.821	224	404	1	3,85%	5.417

356	OK4A	JO60WP	F9FT	9A2L	532	33	5.391	163	0	0	0,00%	5.391
357	OK1FEN	JO70NB	5 el. Yagi	HA8V	543	35	5.609	160	222	2	5,71%	5.387
358	DF2VJ	JN39LI	3 el. Yagi	OK5Z	658	14	5.701	407	464	1	7,14%	5.237
359	F5NEV	JN48BM	5 el. Yagi	M2W	766	18	5.987	333	766	1	5,56%	5.221
360	9A2EY	JN85AT	2 x 9 el. F9FT	OM6A	420	27	5.173	192	0	0	0,00%	5.173
361	UA2FT	KO04LT	9 el. Yagi	DFOMLT	676	11	5.774	525	636	1	9,09%	5.138
362	GM4AFF	IO86ST	17 el. F9FT	DF0MU	819	7	5.134	733	0	0	0,00%	5.134
363	SP9HVV	KN09MT	n.d.	DL9GK	675	14	5.100	364	0	0	0,00%	5.100
364	DJ5KX	JO30PQ	n.d.	OE5D	521	25	5.316	213	256	1	4,00%	5.060
365	UR7IM	KN88SR	Z- antenna	UR5UI	551	21	5.229	249	243	1	4,76%	4.986
366	DL4YDR	JO32RG	4 el. Yagi	OK2M	532	19	4.980	262	0	0	0,00%	4.980
367	DF8CV	JN59UM	4 el. Yagi	TM9FT	561	23	5.499	239	584	2	8,70%	4.915
368	DL6UAM	JO71ES	HB9CV	DK0BN	507	29	4.898	169	0	0	0,00%	4.898
369	DL1SWN	JO53RO	x 200 Diamond	DK1KC/p	589	23	4.759	207	0	0	0,00%	4.759
370	SP7NHS	JO91RU	5 el. Yagi	DK6AS	690	15	4.715	314	0	0	0,00%	4.715
371	UR7IMM	KN88TR	RA3AQ	RT7G	520	21	4.608	219	0	0	0,00%	4.608
372	OK7CM	JO70KJ	X 30	OM8A	354	37	4.581	124	0	0	0,00%	4.581
373	HB9DRS	JN37SN	11 el. Yagi	OL4A	545	20	4.564	228	0	0	0,00%	4.564
374	IW1CKM	JN45FD	13 el. Yagi	HG1Z	783	12	4.615	385	56	1	8,33%	4.559
375	SP2WPY	JO94FL	12 el. DK7ZB	OL7C	595	11	4.471	406	0	0	0,00%	4.471
376	DL4DG	JO31PL	4 el. X-Quad	HB9FX	499	23	4.935	215	495	3	13,04%	4.440
377	F6HTJ	JN12KQ	11 el. F9FT	I5PVA/6	791	11	4.183	380	0	0	0,00%	4.183
378	9A2YL	JN83DL	5 el. Yagi	OM6A	654	13	4.627	356	492	1	7,69%	4.135
379	DJ3WE	JN57XX	Diamond Vertical	OM6A	519	22	4.078	185	0	0	0,00%	4.078
380	DL7LTM	JO61EI	Log Per.	OE1W	443	30	4.232	141	177	2	6,67%	4.055
381	DF8XC	JO41FV	7 el. Yagi	TM0V	608	14	4.477	320	455	1	7,14%	4.022
382	DL1FAC	JO54HD	n.d.	HB9FAP	766	13	3.989	307	0	0	0,00%	3.989
383	HB9KOG	JN47QJ	Yagi	DK1PD	642	18	4.199	233	212	2	11,11%	3.987
384	DF7JC	JO31LH	5 el. Yagi	TM0W	523	11	4.389	399	456	1	9,09%	3.933
385	SP3CMX	JO72OR	n.d.	DL1SWN	269	22	3.777	172	0	0	0,00%	3.777
386	HA8TKS	JN96UV	9 elements F9FT	IQ3LX	585	15	3.633	242	0	0	0,00%	3.633
387	SP5BTN	KO02MF	n.d.	DL0STO	535	10	4.013	401	418	1	10,00%	3.595
388	DJ9YE	JO31LI	7 el. Yagi	TM0W	528	12	3.317	276	0	0	0,00%	3.317
389	OK1KZ	JO70ED	4 x JP	DK0BN	471	34	3.276	96	0	0	0,00%	3.276
390	US4ICG	KN87UX	n.d.	RT7G	455	16	3.200	200	0	0	0,00%	3.200
391	DF5KA	JO43DB	10 el. DK7ZB	OL3Z	548	12	3.666	306	479	1	8,33%	3.187
392	G3RLE	IO83VO	5 el Yagi	F8GRY/p	505	14	3.181	227	0	0	0,00%	3.181
393	IZ3KMY	JN55NI	GP	S57C	333	24	3.146	131	0	0	0,00%	3.146
394	DH1DM	JO61TB	8 el. DK7ZB	HG6Z	573	10	3.331	333	227	1	10,00%	3.104
395	OM2GA	JN88RT	PA0MS	IQ3LX	499	32	4.386	137	1.291	6	18,75%	3.095
396	DM9KT	JO51NG	6 el. Yagi	OK5Z	404	17	3.067	180	0	0	0,00%	3.067
397	DK4EF	JN49KV	7 el. Yagi	OK5Z	519	10	3.023	302	0	0	0,00%	3.023
398	G3USE	IO92SD	8 el. Yagi	DM5C	676	15	2.999	200	0	0	0,00%	2.999
399	G3VYI	IO91OF	9 el. Yagi	F6KDL/p	680	14	2.973	212	0	0	0,00%	2.973
400	DG0ONW	JO50LP	2 x 6 el. X-Quad	OM3W	539	20	2.934	147	0	0	0,00%	2.934
401	DL1TIM	JO31PG	10 el. Yagi	HB9FAP	464	8	2.932	367	0	0	0,00%	2.932
402	YU7D	KN05AO	X 200	OM3W	435	18	3.554	197	679	3	16,67%	2.875
403	G4XPE	IO92GU	10 el. JayBeam + 10 el. Yagi	ON4KHG	449	12	2.851	238	0	0	0,00%	2.851
404	F8FFI/p	JN19BJ	5 el. DK7ZB	OL2Y	771	11	3.611	328	771	1	9,09%	2.840
405	DLSMAM	JN58UB	10 el. Yagi	DK0BN	352	21	2.791	133	0	0	0,00%	2.791
406	OK1TY	JO70DB	Gp	OM6A	342	37	2.998	81	239	3	8,11%	2.759
407	IK3COJ	JN65BN	5 el. Yagi	OM6A	638	7	2.755	394	0	0	0,00%	2.755
408	OK1DAR	JO70DB	Collinear	OM3TZZ	287	33	2.879	87	172	3	9,09%	2.707
409	DH1PAL	JO30JP	n.d.	OL3Y	451	10	2.675	268	0	0	0,00%	2.675
410	9A5YY	JN75WT	2 x 9 el. Yagi F9FT	I5PVA/6	364	20	2.666	133	0	0	0,00%	2.666
411	HB9BOS	JN37TM	4 el. Yagi	DK6AS	354	18	2.697	150	193	2	11,11%	2.504
412	RZ6DD	LN04MX	4 x 10 el. Yagi	UV5ERY	557	10	2.488	249	0	0	0,00%	2.488
413	F4EMK	IN93GM	11 el. F9FT	F6DWW/p	739	8	2.474	309	0	0	0,00%	2.474
414	F5LEN	JN38BO	5 el. Yagi	F6ETI/p	431	12	2.459	205	0	0	0,00%	2.459
415	OM3RI	KN08UV	6 el. Yagi	YU1VG	564	15	2.415	161	0	0	0,00%	2.415
416	G4BRK	IO91HP	9 el. DK7ZB	PC5M	457	11	2.414	219	0	0	0,00%	2.414
417	F0DKT	JN18JR	2 x 10 el. Yagi	DK6AS	621	10	2.905	291	493	1	10,00%	2.412
418	LZ2ZY	KN13OT	2 x 9 el. Yagi	S50C	716	6	2.409	402	0	0	0,00%	2.409
419	UT1XX	KN49GU	n.d.	HA6W	623	6	2.249	375	0	0	0,00%	2.249
420	DL3YDP	JO31NN	8 el. Yagi	OL3Z	545	8	2.367	296	183	1	12,50%	2.184
421	SQ3MU	JO72PR	17 el F9FT	757V	336	10	2.132	213	0	0	0,00%	2.132
422	SP1FPG	JO73GN	6 el. Yagi	DF0VK	392	10	2.034	203	0	0	0,00%	2.034
423	DC2IP	JN49FD	6 el. Yagi	F8GRY/p	436	11	2.035	185	13	1	9,09%	2.022
424	EU1AB/3	KO32BX	13 el. F9FT	OK2KYZ	683	3	2.011	670	0	0	0,00%	2.011
425	OM3CNF/o	JN89CX	J vertical	OK1PGS	245	20	2.280	114	270	2	10,00%	2.010
426	DK3AX	JN59DV	n.d.	OM3W	574	6	2.005	334	0	0	0,00%	2.005
427	OM3CQF	JN88QQ	PA0MS	HB9FAP	766	6	3.401	567	1.474	2	33,33%	1.927
428	F8GBR	JN19DH	7 el. DK7ZB	DF0MU	470	9	1.885	209	0	0	0,00%	1.885

429	OK5XM	JO60KF	2 x 7 el. Yagi DK7ZB	OM8A	448	6	1.885	314	0	0	0,00%	1.885
430	DFOWSB	JO31FG	9 el. F9FT	OL7C	456	8	1.883	235	0	0	0,00%	1.883
431	9A2KO	JN75IE	16 el. Yagi	I1MXI/1	436	13	2.158	166	287	1	7,69%	1.871
432	G4RYV	IO91OI	9 el. F9FT	GM4PPT	515	12	1.821	152	0	0	0,00%	1.821
433	DK4CU	JO31UO	1 el. Quad	DL0HTW	404	10	1.814	181	0	0	0,00%	1.814
434	DL2MAJ	JN58JD	8 el. DK7ZB	DF0VK	243	13	1.951	150	162	1	7,69%	1.789
435	UZ2HZ	KN69RA	n.d.	UT5U	264	9	1.788	199	0	0	0,00%	1.788
436	F8GFA	JN19EP	9 el. F9FT	F6ETI/p	441	12	1.942	162	183	2	16,67%	1.759
437	DJ1ZU	JN68GV	n.d.	OM6A	451	10	3.698	370	1.983	5	50,00%	1.715
438	OK2VZK	JN89SU	Dipol	HA6W	292	16	1.711	107	0	0	0,00%	1.711
439	OK1UDQ	JO70NO	F9FT	OM3TZZ	297	15	2.058	137	402	3	20,00%	1.656
440	F8ENY/I1	JN44IR	9 el. Yagi	DK0BN	DK6AS	579	1.566	3	53	1	0,17%	1.513
441	F6API	JN03SO	16 el. Yagi	HB9AOF	535	6	2.014	336	535	1	16,67%	1.479
442	G3UFY	IO91WJ	9 el. Yagi	G4HGI	291	12	1.463	122	0	0	0,00%	1.463
443	DK5AJ	JO51GO	10 el. Yagi	TM0W	608	9	2.447	272	1.019	3	33,33%	1.428
444	UR6ISU	KN88VA	2 x 7 el. Yagi	RT7G	454	8	1.415	177	0	0	0,00%	1.415
445	DC1SK	JO51PE	9 el. Winkler	DF0MU	295	15	1.422	95	151	1	6,67%	1.271
446	IZ3NVR	JN65EP	Vertical	I1MXI/1	270	11	1.354	123	119	1	9,09%	1.235
447	IZ5AHB	JN52GW	6 el. Yagi HM	S57C	512	4	1.232	308	0	0	0,00%	1.232
448	IW1BCO	JN35MD	16 el. Yagi	I25VA	179	9	1.174	130	0	0	0,00%	1.174
449	9A2VX	JN75EI	3 el. Yagi	HA1A	267	9	1.153	128	0	0	0,00%	1.153
450	F51F	JN12IL	9 el. Yagi	F6ETI/p	358	9	1.119	124	0	0	0,00%	1.119
451	LY2FN	KO14XV	7 el. Yagi	OM6A	734	2	1.090	545	0	0	0,00%	1.090
452	EA1HRR	IN83JJ	8 elem yagi	F6HTJ	501	6	1.562	260	491	1	0,00%	1.071
453	OK2BND	JN89UN	4 el. Yagi	OE1W	233	14	1.047	75	0	0	0,00%	1.047
454	F4GCU	JN12LQ	9 el. F9FT	F6BEG	373	6	999	167	0	0	0,00%	999
455	DO2AMS	JO61PD	Vertical X510	DF0VK	147	22	1.172	53	235	4	18,18%	937
456	UT3XX	KO14IG	n.d.	Error	1066	5	2.003	401	1.066	1	20,00%	937
457	DM2NL	JO61UB	NR-2000	OL3Z	132	20	924	46	0	0	0,00%	924
458	F5BLN	JN18ET	11 el. F9FT	TM0W	370	9	1.476	164	569	3	33,33%	907
459	G0CDA	IO83SJ	11 el. Yagi Cushcraft	G4TSW	288	5	876	175	0	0	0,00%	876
460	DJ3TY	JO54HD	n.d.	DL7AU	258	6	1.182	197	351	1	16,67%	831
461	IZ3PZI	JN55NK	GP	ISMXI/4	326	11	1.596	145	766	3	27,27%	830
462	DL7ET	JO31KF	Dipol Unter Dach	TM9FT	298	6	809	135	0	0	0,00%	809
463	F4DBD	JN08XW	8 el. DK7ZB	TM0V	403	7	848	121	67	1	14,29%	781
464	OK1TRW	JO70HC	Dipol	OM6A	321	4	681	170	0	0	0,00%	681
465	DL2FFW	JO50LQ	3 el. Yagi	DM3F	160	8	672	84	0	0	0,00%	672
466	IZ1GIP	JN44KK	Diamond X300	ISPVA/6	309	5	668	134	0	0	0,00%	668
467	9A3AQ	JN75WS	Yagi	ISPVA/6	361	6	910	152	253	1	16,67%	657
468	DG2FDE	JN48KT	MR77 Diamond	TM0V	317	10	1.120	112	477	3	30,00%	643
469	DL3MFK	JN58SE	Diamond NR-770	DK6AS	164	7	618	88	0	0	0,00%	618
470	DJ1LBF	JO54GE	n.d.	DL7AU	264	6	605	101	0	0	0,00%	605
471	F1IWH	IN94RS	11 el. Yagi	EA1HRR	263	4	605	151	0	0	0,00%	605
472	DL5DRM	JO60VX	n.d.	DL0XM	91	12	553	46	0	0	0,00%	553
473	GM4VVX	IO87TA	10 el. Yagi	GM4PPT	288	4	536	134	0	0	0,00%	536
474	F4FFS	JN17AW	10 el. DK7ZB	F8GRV/p	254	4	636	159	159	1	25,00%	477
475	OK1ZIA	JN69QR	Dipol	DM3F	88	9	466	52	0	0	0,00%	466
476	OE1TKW	JN88DF	GP	HA2R	158	4	449	112	0	0	0,00%	449
477	DL1RIO	JN58SE	n.d.	OL3Y	163	5	432	86	0	0	0,00%	432
478	F4FGB	JN25VO	7 el. Yagi	F6ETI/p	266	3	427	142	0	0	0,00%	427
479	OM8TA	KN08OR	Dipol	HA6W	92	6	423	71	0	0	0,00%	423
480	DR4T	JN57XX	Diamond Vertical	OL3Y	169	5	414	83	0	0	0,00%	414
481	DL1OJ	JO42QI	2 x HO Loop	DF0MU	145	4	393	98	0	0	0,00%	393
482	LZ3V	KN12PQ	Yagi	LZ2FO	148	4	383	96	0	0	0,00%	383
483	IV3KKW	JN66IE	13 el. F9FT	ISPVA/6	293	2	372	186	0	0	0,00%	372
484	F5JQG	JN04QV	7 el. Quad	F6IHA	127	4	365	91	0	0	0,00%	365
485	DL1ARD	JO50UJ	n.d.	DQ7A	113	5	330	66	0	0	0,00%	330
486	DJ2YE	JO31LG	4/Lamda	DL5KCI	80	10	323	32	0	0	0,00%	323
487	DL3YDY	JN47KW	Lamda/4	HB9FX	103	4	312	78	0	0	0,00%	312
488	GM3WOJ	IO77WS	9 el. Yagi	GM4PPT	261	2	293	147	0	0	0,00%	293
489	M0NQN	IO81WV	Vert. 1/4 Wave dipole	G4TSW	149	3	285	95	0	0	0,00%	285
490	LZ1GHT	KN12QP	8 el. LZ10A	LZ1ZP	123	3	217	72	0	0	0,00%	217
491	IK3XTY	JN55LK	Vertical x -6000	I3YYY/3	108	3	152	51	0	0	0,00%	152
492	DC2CB	JO31RS	n.d.	DK0BN	201	3	293	98	201	1	33,33%	92
493	F5NBX	JN05RN	9 el. Yagi	F6ETI/p	73	1	73	73	0	0	0,00%	73
494	GM4CXM	IO75TW	9 el. F9FT	GM4PPT	56	1	56	56	0	0	0,00%	56
495	DH6YMC	JO32MF	n.d.	DF0MU	22	2	37	19	0	0	0,00%	37
496	F1EOY	JN03PN	9 el. Yagi	F8ALX	3	3	9	3	0	0	0,00%	9
497	F6IHY	JN03SL	9 el. Yagi	F8ALX	3	3	9	3	0	0	0,00%	9
498	OK1ZY	JN69QS	Gp	OK5ET	1	1	1	1	0	0	0,00%	1

### Multi Operator

CL	CALL	Locator	Antenna	Best DX	ODX	Claimed OSO	Claimed Score	Average ORB	Error Score	Error OSO	Error %	Final Score
1	OE1W	JN77TX	2x9el, 16el, 4xBigWheel	F6DWG/P	1005	534	209.439	392	5.125	15	2,81%	204.314
2	OM3W	JN99CH	105 el. Group	IW1AJJ/1	979	464	189.472	408	1.848	4	0,86%	187.624
3	OM8A	JN87WV	4x16,4x14,3x(8x7)	PA2CHR	948	465	190.175	409	3.568	8	1,72%	186.607
4	DK0BN	JN39VU	2 x 18 el. + 3x 2 x9 el. Yagi	HA6W	946	464	187.185	403	5.019	11	2,37%	182.166
5	ISPVA/6	JN63GN	2x16,2x16,3x17,2x16,1x16	DF0MU	1027	335	183.961	549	6.021	10	2,99%	177.940
6	OL3Z	JN79FX	206 el. Yagi	F6DWG/p	885	486	171.356	353	3.311	8	1,65%	168.045
7	OM6A	JN99JC	2x16, 2x11, 4x7	IW1AJJ/1	1006	408	163.866	402	0	0	0,00%	163.866
8	OL3Y	JN69JJ	4x5EL DK7ZB,2x4x5Y,M2	F5MFI	816	486	168.582	347	4.798	10	2,06%	163.784
9	OK2M	JN69UN	4 x 9 + 3 x 14 el. Yagi	YU1VG	836	436	155.589	357	2.247	8	1,83%	153.342
10	OK1KCR	JN79VS	M2 DL7KM	IW1AJJ/1	863	438	153.270	350	1.856	6	1,37%	151.414
11	OK5Z	JN89AK	104 el. Yagi	TM9FT	875	455	159.115	350	9.767	25	5,49%	149.348
12	OE5D	JN68PC	2x 11El Yagi	F6DWG/P	834	383	143.354	374	2.386	6	1,57%	140.968
13	OK2KGB	JN79QJ	23 el. Yagi	SM7GVF	850	441	153.252	348	12.729	30	6,80%	140.523
14	HA6W	KN08FB	4 x 11 el. + 8 x 7 el. Yagi	DF0MU	1040	329	143.686	437	3.949	9	2,74%	139.737
15	S57C	JN76PB	106 el. Yagi Group	LZ1ZP	869	355	137.605	388	4.207	11	3,10%	133.398
16	HG1Z	JN86KU	4x Corner reflector	DF0MU	905	337	129.840	385	477	2	0,59%	129.363
17	OL7C	JO60JJ	2x18M2, 8x5, 4x10	YU7ACO	870	383	129.824	339	2.351	8	2,09%	127.473
18	9A2L	JN86HF	16x11 + 9 x 3 lfa	DF0MU	941	307	127.293	415	3.816	7	2,28%	123.477
19	HA5KDQ	JN97LN	300 el. DK7ZB	DF0MU	976	322	123.704	384	1.070	2	0,62%	122.634
20	OL4A	JO60RN	1x19 el.,1x13el,3x14 el,2x19	YU7ACO	847	402	132.916	331	10.583	24	5,97%	122.333
21	OK2C	JN99AJ	4 x 11 el. + 4 x 9 el. Yagi	IW1AJJ/1	973	344	123.505	359	4.199	8	2,33%	119.306
22	IQ3LX	JN65EM	2xLLY+4x5yagi+2x6yagi	DF0MU	821	298	120.218	403	1.115	3	1,01%	119.103
23	DF0VK	JO50VF	4 x 10 el. DK7ZB	YU7ACO	916	374	124.935	334	7.240	22	5,88%	117.695
24	OK2KKW	JO70FD	10el DK7ZB, 4el OK1KRC	ON4LDP	764	360	118.117	328	773	2	0,56%	117.344
25	DQ7A	JN59RJ	3 x 12 el. Yagi	YU7ACO	887	350	118.777	339	2.317	9	2,57%	116.460
26	OK1KFH	JN69VN	4x5,2x10,2x10 el.set	YU1VG	833	374	118.041	316	4.216	14	3,74%	113.825
27	OK1KKI	JN79NF	2 x GW4CQT+ 2 x F9FT	ON4KHG	813	334	113.895	341	910	3	0,90%	112.985
28	DF0MU	JO32PC	4x9 el yagi 4x big Wheel	HA6W	1040	289	117.091	405	4.331	12	4,15%	112.760
29	DLOHTW	JO60QU	4x9 El. DK7ZB + 1x2HDQ21	YU1LA	862	352	111.737	317	1.791	8	2,27%	109.946
30	OK1OPT	JN69NX	20 el. DK7ZB	YU7ACO	823	368	114.703	312	5.662	18	4,89%	109.041
31	YU1EF	KN05CD	2x17 El.Cushcraft 17B2	DF0VK	912	238	111.645	469	6.943	12	5,04%	104.702
32	HA2R	JN87UE	2 x 17 el. Yagi	DF0LH	852	295	105.295	357	3.966	8	2,71%	101.329
33	DF0MTL	JO61JF	3 x 8	YU1EF	871	308	96.507	313	1.169	4	1,30%	95.338
34	HB9FX	JN47FB	4 x 5 + 2 x 7 Yagi	DL9AJK	875	255	101.623	399	7.767	20	7,84%	93.856
35	HG6Z	JN97WV	4 x 11 el. EF0211b	DK0BN	909	239	90.496	379	602	1	0,42%	89.894
36	E7CW	JN94GG	4 x 9 el. Yagi	DL0C	923	202	92.862	460	3.148	6	2,97%	89.714
37	OK2I	JN89XX	4 x 10 el. DK7ZB	ISPVA/6	824	265	89.896	339	1.488	5	1,89%	88.408
38	DLOXM	JO61GE	12 el. Yagi	E7CW	890	301	90.856	302	4.714	15	4,98%	86.142
39	9A1N	JN85LI	2 x 9 el. Yagi	DK0BN	852	221	87.582	396	1.831	3	1,36%	85.751
40	I1MXI/1	JN44OQ	20 el. Yagi	HA6W	941	211	92.368	438	7.324	17	8,06%	85.044
41	DLOSTO	JO60UR	2 x 11 el. Yagi	YU7ACO	847	300	87.541	292	3.560	11	3,67%	83.981
42	DL8DWW	JO70HW	2 x 7 el. DK7ZB	ISPVA/6	835	299	83.937	281	454	1	0,33%	83.483
43	YU7ACO	KN05QC	2 X 12 el. DK7ZB	DL2CC	953	168	85.005	506	1.801	4	2,38%	83.204
44	9A1W	JN75ST	2M18XXX + 4x10 el. DK7ZB	LZ1ZP	839	226	79.633	352	0	0	0,00%	79.633
45	PC5M	JO21OJ	4*8 + 2*16	OK2C	936	207	81.678	395	5.258	11	5,31%	76.420
46	9A0V	JN95NH	2 x 17 el. DL6WU	DL1CW	787	196	79.202	404	3.307	9	4,59%	75.895
47	OK2KYZ	JN89XN	2 x 10 el. DK7ZB	IW1AJJ/1	978	238	76.087	320	585	2	0,84%	75.502
48	IW1AJJ/1	JN34QM	8X(22+22)+4x10 DJ9BV	OM6A	1005	148	76.340	516	1.863	3	2,03%	74.477
49	OL4N	JO60VR	16 Yagi	YU7ACO	843	283	79.590	281	5.842	17	6,01%	73.748
50	HG7W	JN97KR	17 el. Yagi	DK0BN	846	218	71.664	329	0	0	0,00%	71.664
51	HG7F	JN97KR	17 el. Yagi	DK0BN	846	218	71.664	329	1.832	4	1,83%	69.832
52	OK1KLL	JN79IW	4 x PAOMS	IW1AJJ/1	818	260	72.943	281	3.781	12	4,62%	69.162
53	SP6PWT	JO81NC	12 el. DK7ZB + 9 el. F9FT	ISPVA/6	907	208	68.575	330	0	0	0,00%	68.575
54	DM5C	JO42RG	2 x 7 el. Yagi	F6ETI/p	896	237	74.489	314	6.255	17	7,17%	68.234
55	F6KDL/p	JN37NV	Collinear	OM6A	873	204	73.064	358	7.007	16	7,84%	66.057
56	OM6W	JN99GK	66 el. Group	ISPVA/6	799	224	68.275	305	2.383	7	3,13%	65.892
57	OL1B	JO80IB	F9FT	Error	822	260	68.037	262	2.462	8	3,08%	65.575
58	DL0ZZ	JO32OH	4x4. 4x14.1x10 elem.	OM8A	905	203	71.124	350	5.600	17	8,37%	65.524
59	OM3RAL	JN98LR	16 el. F9FT	DF0MU	907	206	64.550	313	0	0	0,00%	64.550
60	OL2J	JN79TI	F9FT	PC5M	772	229	63.661	278	361	1	0,44%	63.300
61	9A8D	JN95LM	2 x 26 el. DJ9BV	IIRJP	843	180	73.216	407	11.666	27	15,00%	61.550
62	DR7B	JO61KB	n.d.	E7CW	866	224	63.204	282	3.025	9	4,02%	60.179
63	OK2KYJ	JN89QQ	13 el. Yagi	I1MXI/1	830	208	61.740	297	1.979	6	2,88%	59.761
64	OK2KCN	JN89OI	2 x GW4CQT	I1MXI/1	798	217	60.205	277	895	3	1,38%	59.310
65	F6KFH	JN39OC	4 X 5EL + 2 X 14 EL	OK1FC	799	174	65.235	375	8.478	18	10,34%	56.757
66	OM3I	JN98LB	16 el. F9FT	I1MXI/1	837	171	56.731	332	221	2	1,17%	56.510
67	M2W	JO00EW	2 x 14 el. Yagi	DL1FAA	1110	139	54.733	394	0	0	0,00%	54.733
68	DLOBLA	JO62QH	2 x 8 el. Yagi	9A2L	717	178	53.662	301	468	1	0,56%	53.194
69	OK1KCB	JN79GB	2 x 9 el. F9FT	TM9FT	770	210	61.784	294	9.073	2	0,95%	52.711
70	9A1EJK	JN85QU	12 el. Yagi	IW1AJJ/1	796	137	51.485	376	0	0	0,00%	51.485



71	ISMZY/4	JN540L	4218lhx + 20 Shark	HA6W	815	112	54.288	485	2.934	7	6,25%	51.354
72	9A200C	JN85AO	17B2	DFOGEB	742	135	49.485	367	341	1	0,74%	49.144
73	OL1Z	JN88AU	DK7ZB	DFOMU	717	188	50.342	268	2.052	9	4,79%	48.290
74	OK1KKD	JO70BC	4 x 2M5WL	YU7ACO	777	195	50.930	261	3.135	9	4,62%	47.795
75	OK5T	JO70BK	2 x 12 el. DL6WU	YU7ACO	803	191	47.965	251	829	4	2,09%	47.136
76	YU1VG	KN03KU	17B2	SP6A	872	106	48.077	454	1.020	2	1,89%	47.057
77	SN9F	JO90KG	10 el. DK7ZB	ISPVA/6	887	139	46.507	335	0	0	0,00%	46.507
78	DF0LH	JO64LF	12 el. M2	HA2R	852	111	46.726	421	1.840	5	4,50%	44.886
79	OE6U	JN76XU	9 el Yagi	IW1AJJ/1	715	162	46.622	288	3.039	9	5,56%	43.583
80	DL0NF	JN59PL	7 el. Flexa	9A8D	725	153	48.540	317	6.984	18	11,76%	41.556
81	OK1RAR	JO70DB	2 x 4 el. Yagi	YU1LA	753	185	41.731	226	274	1	0,54%	41.457
82	OM3KDX	KN19DB	4 x 6 el. Yagi	DK1KC/P	806	106	42.194	398	3.191	6	5,66%	39.003
83	DL0C	JO72HD	2 x 17 el. Yagi	YU1EF	1065	134	43.659	326	6.347	18	13,43%	37.312
84	OK5K	JN99CT	10 el. DK7ZB	ISPVA/6	818	134	39.444	294	2.668	7	5,22%	36.776
85	OK2RDI	JN88WX	10 el. F9FT	7S7V	789	141	37.691	267	1.845	8	5,67%	35.846
86	F6ETI/p	JN15EQ	13 el. YU7EF	DM5C	896	81	34.544	426	1.772	3	3,70%	32.772
87	G4TSW	IO80FV	2 x 17 el. + 2 x 17 el. Yagi	TM0W	851	91	32.325	355	0	0	0,00%	32.325
88	YT5C	JN95WG	2 x 7 el. Vertical stack	SP6A	698	103	32.441	315	765	2	1,94%	31.676
89	IZ1ESM	JN45FB	17 el. 2M5WL	HA6W	975	54	29.189	541	621	1	1,85%	28.568
90	OL7Q	JN99DQ	10 el. Quad	ISPVA/6	810	114	30.422	267	2.067	6	5,26%	28.355
91	SP9PZD	JN99HW	n.d.	ISPVA/6	847	97	28.000	289	0	0	0,00%	28.000
92	HB9GT	JN47MH	4 x 9 el. Yagi	DF9LS	817	113	36.958	327	9.845	25	22,12%	27.113
93	HB9HR	JN47DF	9 el. Yagi	HA2U	867	76	26.944	355	1.410	2	2,63%	25.534
94	YT7P	KN05EJ	EF0211B	OK1DOL	731	74	23.828	322	574	3	4,05%	23.254
95	OM3KHU	KN18AX	11 el. DK7ZB	OK1OPT	653	58	19.795	341	853	2	3,45%	18.942
96	OK1KOB	JO70UK	2 x 6 el. DK7ZB	TM0W	822	76	18.228	240	1.140	4	5,26%	17.088
97	OK2KOE	JN89SS	7 el. Yagi	ISPVA/6	789	72	15.360	213	236	2	2,78%	15.124
98	DF0XX	JO52GR	17 el. Yagi	OK2C	642	37	11.237	304	1.313	4	10,81%	9.924
99	IQ0HV/0	JN61HU	10 el. DK7ZB	DK6AS	873	21	10.053	479	919	2	9,52%	9.134
100	IQ2LS	JN4500	2 x 10 el. Yagi	OK1KGB	627	35	10.170	291	1.238	3	8,57%	8.932
101	OM3KWM	KN08PR	7 el. Yagi	9A1W	541	30	9.554	318	871	3	10,00%	8.683
102	E71EBS	JN94GR	2 x 12 el. Yagi	DL2CC	784	38	9.065	239	584	2	5,26%	8.481
103	ON7RY	JO20CK	9 el. F9FT	HB9FX	488	29	7.296	252	396	1	3,45%	6.900
104	M0BPQ	IO91WP	9 el. Yagi	DK6AS	829	25	6.669	267	0	0	0,00%	6.669
105	G3LET	IO91VB	7 ZL	TM0W	675	31	6.363	205	0	0	0,00%	6.363
106	DL0LN	JO31QX	2 x 10 el. Yagi	OE1W	739	19	6.199	326	0	0	0,00%	6.199
107	DK0GHC	JO61FR	2 x 9 el. Yagi	TM0W	729	11	5.884	535	0	0	0,00%	5.884
108	OL6A	JO70FB	5 el. Yagi	DK0BN	478	51	5.731	112	276	3	5,88%	5.455
109	OM3RRC	JN99FC	4 x 10 el. DK7ZB	YU1EF	460	25	5.359	214	111	1	4,00%	5.248
110	G4C	JO02OD	11 el. Vargarda	TM0W	708	21	4.633	221	0	0	0,00%	4.633
111	DL0HH	JO53CL	2 x 7 el. Flexa	HB9FX	725	13	5.060	389	617	2	15,38%	4.443
112	IQ3TR	JN65CQ	Collinear	DK6AS	446	23	5.549	241	2.592	4	17,39%	2.957
113	OK1KRY	JN69TR	DL6WU	S57UN	479	29	2.686	93	0	0	0,00%	2.686
114	9A5G	JN75FI	3 el Yagi	IW1AJJ/1	565	13	2.654	204	0	0	0,00%	2.654
115	DR1T	JO50KQ	2 x Big Wheel	HB9FAP	393	17	2.607	153	125	1	5,88%	2.482
116	OM3KEG	JN98CR	OK1KRC	Error	518	23	3.483	151	1.017	5	21,74%	2.466
117	9A5Z	JN86KD	14 el. DK7ZB	OK5Z	371	9	1.874	208	0	0	0,00%	1.874
118	DN5MEL	JN49DC	7 el. DK7ZB	DK0BN	96	2	115	58	0	0	0,00%	115
119	DG8VE	JN39NG	HB9CV indoor	F6KFH	20	3	49	16	0	0	0,00%	49

TM0W check log on request direct of the REF

UT5ST - SP8UFT - SP2FAV Check log on request