THE OCEANIA DX CONTEST

2004 Results

Figure 1: Mirek Rozbicki VK6DXI – Winner of the Oceania Single-Op All Band Category in the PHONE and CW Sections

2004 Summary

1. Introduction

Congratulations to all the winners in the 2004 Oceania DX Contest, and especially VK6DXI who ended up winning the Oceania Single-Op All Band category in both the PHONE and CW sections.

Overall activity was similar to that experienced in 2003, despite the 10cm solar flux index dropping from around 110 during the 2003 contest to 90 in the 2004 contest.

Compared to 2003, there was around a 21% increase in the number of logs submitted. The increase in participation appears to have offset the impact of any decline in conditions on the higher HF bands. The increased interest is encouraging and indicates that the contest is in good health.

2. PHONE Results

The leading stations and top scores for the PHONE section are summarised in Tables 1, 2 and 3 below. The full results are presented in Annex 1, along with soapbox comments and equipment/antenna information in Annexes 3 and 4.

VK6DXI leads the Oceania Single-Op All Band category with a score of 1,827,868. VK2APG is not far behind with a score of 1,657,200 and 9M6A (op G4MJS) in East Malaysia is in third place with a score of 1,081,752. The top entrants from other Oceania countries in the Single-Op All Band category are ZL2UO (New Zealand), WH2V (Guam), DU7MHA (Philippines) and YB4IR (Indonesia).

The ZL6QH team at the Quartz Hill club station was the only station in the Multi-Multi category and achieved a score of 3,682,636. ZL4AA takes the top position in the Oceania Multi-One category with a score of 828,768, but is closely followed by ZL1AA with a score of 827,931.

An entry of note is YC3BDJ who entered the Single-Op 15m category to achieve the highest score in Indonesia, as well as 10th position overall in Oceania.

Category	Asia	Europe	North America	Oceania	South America
SWL ALL	UA0-107-181	LZ2F-319		ZL2001SWL	
SINGLE-OP ALL	JH4UYB	ER1Q	K3ZO	VK6DXI	LU2NI
SINGLE-OP 80M	RA0BA		W7AV	VK2HPM	
SINGLE-OP 40M	JR9NVB	PA7A	K3TW	YB2OK	
SINGLE-OP 20M	JA6GCE	RA6DB	N4MM	YB0A	PY3YD
SINGLE-OP 15M	JF3BFS	OZ1ADL	W7KPL	YC3BDJ	PT2ND
SINGLE-OP 10M	JA2MWV				
MULTI-ONE	RK9CWA	9A4P		ZL4AA	CE2RLS
MULTI-MULTI				ZL6QH	

Table 1: Continent Winners in PHONE Section

Callsign	Category	Score
ZL6QH	MULTI-MULTI	3682636
VK6DXI	SINGLE-OP ALL	1827868
VK2APG	SINGLE-OP ALL	1657200
9M6A	SINGLE-OP ALL	1081752
ZL4AA	MULTI-ONE	828768
ZL1AA	MULTI-ONE	827931
VI6175WA	MULTI-ONE	774364
ZL2UO	SINGLE-OP ALL	693048
WH2V	SINGLE-OP ALL	629926
YC3BDJ	SINGLE-OP 15M	593328

Table 2: Top Ten Oceania Stations in PHONE Section

Callsign	Category	Score
JH4UYB	SINGLE-OP ALL	59220
RZ3BY/0	SINGLE-OP ALL	32072
ER1Q	SINGLE-OP ALL	17984
RW0CF	SINGLE-OP ALL	16120
RD3A	SINGLE-OP ALL	15435
RW0AR	SINGLE-OP ALL	11988
UT2IY	SINGLE-OP ALL	11776
LZ2F-319	SWL ALL	10731
JA7ODY	SINGLE-OP ALL	8904
7S2E	SINGLE-OP ALL	8901

Table 3: Top Ten Non-Oceania Stations in PHONE Section

JH4UYB again takes the top position outside Oceania with a score of 59,220. Second place goes to another Asian station, RZ3BY/0, with a score of 32,072. ER1Q is the highest European station and achieves third place overall with a score of 17,984. The top entrant from North America is K3ZO, a long time supporter of the contest, and the top entrant from South America is LU2NI.

3. CW Results

The leading stations and top scores for the CW section are summarised in Tables 4, 5 and 6 below. The full results are presented in Annex 2, along with soapbox comments and equipment/antenna information in Annexes 3 and 4.

The top station in the Oceania Single-OP All Band category is VK6DXI from Western Australia with a score of 3,490,290. VK4EMM went portable this year to take second position with a score of 3,457,776. Third position goes to ZL1TM in Auckland with a score of 1,813,784. The top entrants from other countries in the Single-Op All Band category are YB0DPO (Indonesia), YJ0AX (Vanuatu), and DU7MHA (the Philippines).

The only Oceania entrant in the Multi-Multi category was ZL6QH with a score of 6,805,017. First place in the Oceania Multi-Single category goes to ZM1A with a score of 3,594,864.

category	Asia	Europe	North America	Oceania	South America
SWL ALL	UA0-107-181	LZ2F-166			
SINGLE-OP ALL	JG1IGX	LY3UM	N6RO	VK6DXI	LU1EWL
SINGLE-OP 80M	JM1NKT				
SINGLE-OP 40M	JA1PS	SP4DEU	W1RM W7DRA		
SINGLE-OP 20M	RW0AR	RA6DB		VK4BUI	
SINGLE-OP 15M	RW0LIA	UA3DEE	N4MM	YB0WWW	PY7GK
SINGLE-OP 10M	7K2PBB	ES1QD	K2EKM	VK2CZ	
MULTI-ONE	RK9JWV	RK3SWB		ZM1A	
MULTI-MULTI	RK0LWW			ZL6QH	

Table 4: Continent Winners in CW Section

Callsign	Category	Score
ZL6QH	MULTI-MULTI	6805017
ZM1A	MULTI-ONE	3594864
VK6DXI	SINGLE-OP ALL	3490290
VK4EMM	SINGLE-OP ALL	3457776
ZL1TM	SINGLE-OP ALL	1813784
ZL4AA	MULTI-ONE	1042074
VK4AN	SINGLE-OP ALL	969088
YB0DPO	SINGLE-OP ALL	784096
VK4TT	SINGLE-OP ALL	782856
VK2KM	SINGLE-OP ALL	711970

Table 5: Top Ten Oceania Stations in CW Section

Callsign	Category	Score
N6RO	SINGLE-OP ALL	33984
JG1IGX	SINGLE-OP ALL	15568
UA0CA	SINGLE-OP ALL	15498
LY3UM	SINGLE-OP ALL	11450
UA9PC	SINGLE-OP ALL	11124
KM4M	SINGLE-OP ALL	9417
RD3A	SINGLE-OP ALL	9016
UA0SC	SINGLE-OP ALL	8256
UA0LCZ	SINGLE-OP ALL	7360
RV4LC	SINGLE-OP ALL	7310

Table 6: Top Ten Non-Oceania Stations in CW Section

Outside Oceania, N6RO is the clear leader in the Single-Op All Band category with a score of 33,984. JG1IGX is in second place with a score of 15,568 and UA0CA is close behind in third place with a score of 15,498. The top entrant from Europe is LY3UM and the top entrant from South America is LU1EWL.

4. Awards

The recipients of trophies and plaques for the 2004 contest are listed in Table 7. Certificates will be awarded to the top scoring station in each category for each continent and country, subject to the station having made at least ten QSOs.

The Contest Committee is still working on a new design for the contest plaques and certificates. The intention is to apply this new design to the 2004 plaques, as well as the plaques that are still to be distributed for the 2001, 2002 and 2003 contests.

AWARD	DESCRIPTION	RECIPIENT
ZL2TT Memorial Trophy	Top entrant from Oceania in Single Operator All Band PHONE category – Ron Wills, ZL2TT Memorial trophy sponsored by ZL2GI, ZL2AL, Wellington Amateur Radio Club and NZART.	**VK6DXI**
Oceania Single-Op ALL Band CW Plaque	Top entrant from Oceania in the Single Operator ALL Band Category	**VK6DXI**
VK2QL Memorial Trophy	Top entrant from VK in Single Operator All Band CW category – Frank Hine, VK2QL Memorial trophy sponsored by WIA Federal.	**VK6DXI**
VK5/VK8 Single-Op ALL Band PHONE Plaque	Top entrant from VK5 or VK8 Call areas in Single Operator All Band PHONE category – Plaque sponsored by WIA South Australian Division	**VK8HPB**
VK5/VK8 Single-Op ALL Band CW Plaque	Top entrant from VK5 or VK8 Call area in Single Operator All Band CW category – Plaque sponsored by WIA South Australian Division	**VK8AV**
VK7 Single-Op ALL Band PHONE Plaque	Top entrant from VK7 Call area in Single Operator All Band PHONE category – Plaque sponsored by WIA Tasmanian Division	**VK7VH**
VK7 Single-Op ALL Band CW Plaque	Top entrant from VK7 Call area in Single Operator All Band CW category – Plaque sponsored by WIA Tasmanian Division	**VK7GN**
ASIA Single-Op ALL Band PHONE Plaque	Top Entrant from Asia in Single Operator All Band PHONE category – Plaque sponsored by Australia Eastern Mountain and Districts Radio Club	**JH4UYB**
ASIA Single-Op ALL Band CW Plaque	Top Entrant from Asia for Single Operator All Band CW category – Plaque sponsored by Australia Eastern Mountain and Districts Radio Club	**JG1IGX**
NORTH AMERICA Single-Op ALL Band PHONE Plaque	Top Entrant from North America in Single Operator All Band PHONE category – Plaque sponsored by N6RO	**K3ZO**

Table 7: 2004 Trophy and Plaque Winners

5. Conditions

The 10cm solar flux index for the 2004 contest was around 90, compared to around 110 for the 2003 contest. Despite the reduced flux index, Charts 1 and 2 below show that the overall level of activity is similar to that experienced in 2003. The greater number of participants in the 2004 contest appears to have offset any decline in HF propagation.

Inspection of the charts shows that all of the bands between 40m and 10m were in good shape for the CW weekend, but only the 20M and 15M bands delivered much action during the PHONE weekend. There was very little activity on 80M and only a few QSOs on 160M - one of the future challenges is to encourage more activity on these bands.

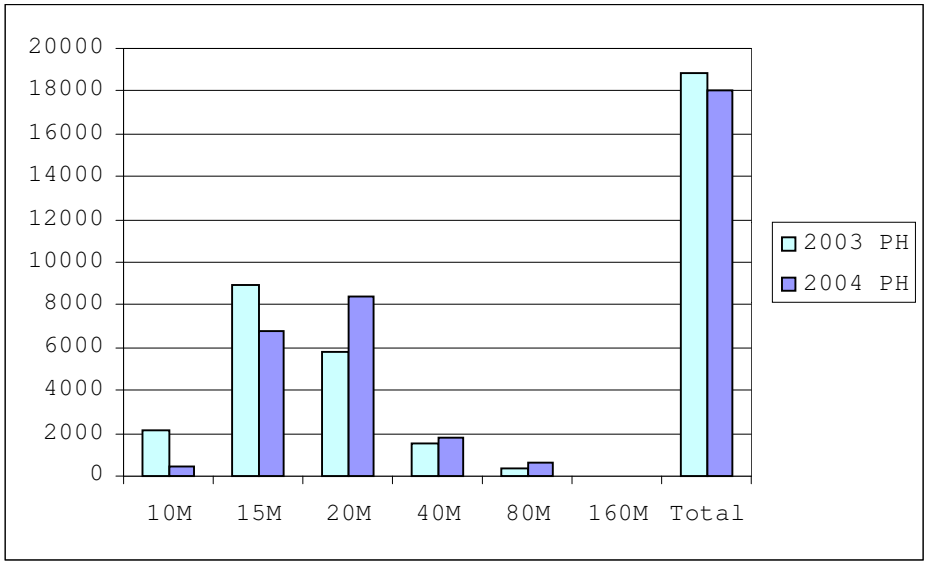

Chart 1: Number of QSOs in Oceania PHONE Logs

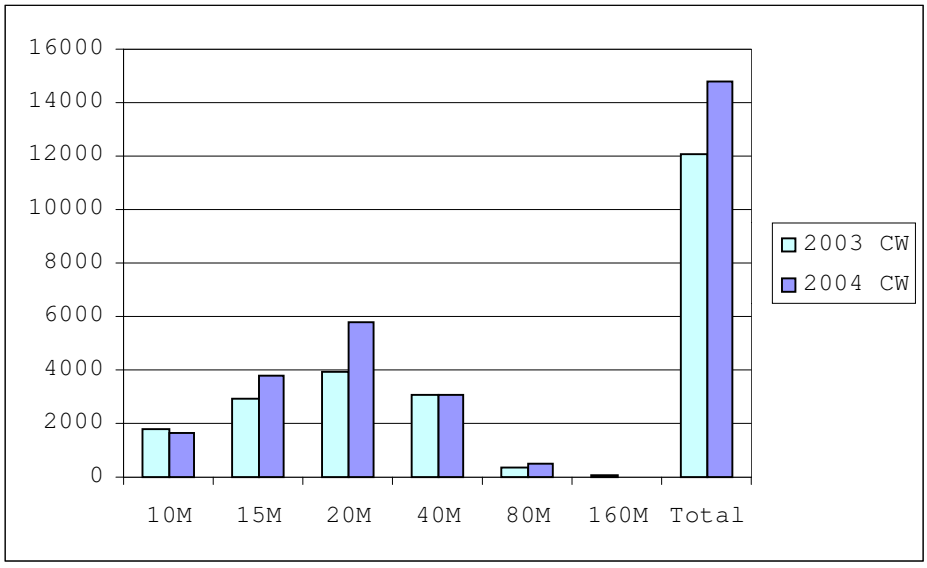

Chart 2: Number of QSOs in Oceania CW Logs

6. Participation

Chart 3 shows the trend in the number of logs submitted (including check logs) since 2000. Tables 8 and 9 provide a breakdown by continent.

The number of logs submitted has more than doubled over the period shown and there was a 21% increase between 2003 and 2004. Most of the additional logs are from Europe, with 53% of the logs coming from this continent in 2004.

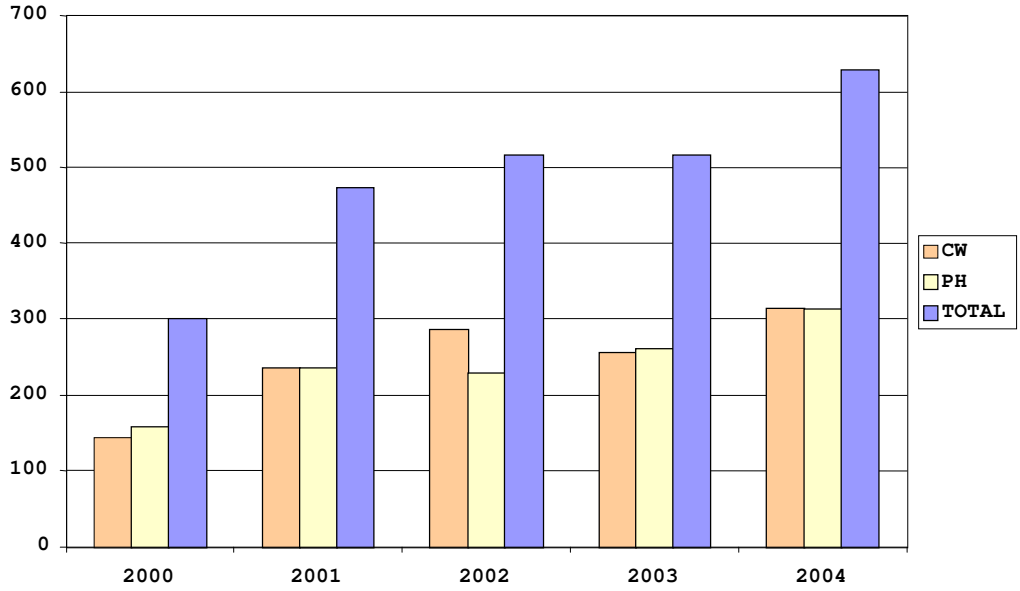

Chart 3: Number of Logs Submitted (including check logs)

Year	Africa	Asia	Europe	North America	Oceania	South America	Total
2000 PH	0	46	72	10	28	2	158
2001 PH	0	70	110	10	42	5	237
2002 PH	0	75	95	11	44	4	229
2003 PH	1	90	110	12	42	6	261
2004 PH	0	88	149	12	59	5	313

Table 8: Number of Logs Received for PHONE Section

Year	Africa	Asia	Europe	North America	Oceania	South America	Total
2000 CW	0	52	64	10	15	2	143
2001 CW	0	57	133	17	27	2	236
2002 CW	0	59	164	24	34	6	287
2003 CW	0	71	138	21	23	3	256
2004 CW	0	79	183	22	27	4	315

Table 9: Number of Logs Received for CW Section

The upward trend in participation over the period 2000 to 2004 can be attributed to the ongoing efforts of the new joint VK/ZL management committee that was established in 2001. Initiatives undertaken by the Committee to rejuvenate the contest have included:

- the establishment of a new series of awards;
- the introduction of a revised set of rules;
- wider promotion of the contest including the establishment of www.oceaniadxcontest.com web pages; and
- the introduction of comprehensive log checking and results reporting.

There are still plenty of opportunities for improvements to further encourage participation in the contest. In particular we want to continue improving the log checking process so that there is a more timely publication of results and distribution of awards.

7. Log Checking

The Committee is pleased to note the increasing use of email for the submission of logs – 82% of the 2004 logs were delivered this way, compared to 79% in 2003 and 57% in 2001. Unfortunately, many of the email logs are not presented in the required Cabrillo format and require significant reformatting before they can be checked. To address this issue the Committee is investigating the use of an email robot for the 2005 contest. The robot would automatically check the formatting of logs as they are submitted and request logs to be resubmitted if they do not meet the specified format.

The scores of some of the 2004 SWL entries are substantially less than the claimed scores. In most cases this was due to duplicates being ignored or violations of Rule 11 which states "The same callsign may appear only once in any group of 3 consecutive entries in the 'station being worked' column".

8. 2005 Contest

The 69th Oceania DX contest will be held on the first two weekends of October 2005 as follows:

PHONE Section: 0800 UTC Saturday 1 October to 0800 UTC Sunday 2 October

CW Section: 0800 UTC Saturday 8 October to 0800 UTC Sunday 9 October

9. More Information

Further information about the 2004 results (including soapbox comments and station equipment/antenna lists) and the full rules for the 2005 contest are available from the Oceania DX Contest web site at www.oceaniadxcontest.com

10. Thank You!

Thank you to the members of the Oceania DX Contest Committee and the additional log checking volunteers (ZL1CT and ZL2AOH) who managed the various tasks for the 2004 contest – a huge effort involving around 200 person hours. We also gratefully acknowledge the financial support provided by NZART, WIA and the sponsors of awards.

Most importantly, thank you to everyone who participated in the 2004 contest and made it such a success. We look forward to seeing everyone again, along with new entrants, in the 2005 event. Let's hope for some good conditions and make it the biggest and best Oceania DX Contest ever!

73 from

Oceania DX Contest Committee (ZL1AZE, ZL2BSJ, ZL3GA, VK1JDX, VK2AYD, VK2CZ, VK2FHN, VK3TZ, and VK4EMM)

Figure 2: Peter Bowyer G4MJS / 9M6A (East Malysia) at the 9M6A/9M6BAA operating desk. He achieved third highest score in the Oceania Single-Op All Band category.

Annex 1: 2004 Oceania DX Contest PHONE Results

* Country winner
** Continent and country winner

Callsign	Category	QSOs	Points	Mults	Score
Continent: South America					
Argentina					
LU2NI**	SINGLE-OP ALL	52	80	24	1920
Brazil					
PY3YD**	SINGLE-OP 20M	4	4	3	12
PW8OO	SINGLE-OP 20M	1	1	1	1
PT2ND**	SINGLE-OP 15M	4	8	4	32
Chile					
CE2RLS**	MULTI-ONE ALL	23	83	13	1079
Continent: Oceania					
Australia					
VK6DXI**	SINGLE-OP ALL	1170	2692	679	1827868
VK2APG	SINGLE-OP ALL	1067	2762	600	1657200
VK2KM	SINGLE-OP ALL	868	1225	484	592900
VK7VH	SINGLE-OP ALL	384	1083	232	251256
VK2CZ	SINGLE-OP ALL	290	1263	180	227340
VK7GN	SINGLE-OP ALL	454	680	269	182920
VK3DBQ	SINGLE-OP ALL	395	558	230	128340
VK4CZ	SINGLE-OP ALL	170	359	136	48824
VK4XES	SINGLE-OP ALL	181	237	136	32232
VK4AN	SINGLE-OP ALL	119	299	99	29601
VK3JS	SINGLE-OP ALL	83	412	62	25544
VK6ZN/4	SINGLE-OP ALL	118	241	88	21208
VK8HPB	SINGLE-OP ALL	117	234	65	15210
VK2FHN	SINGLE-OP ALL	77	234	59	13806
VK2LEE	SINGLE-OP ALL	118	244	56	13664
VK2DF	SINGLE-OP ALL	40	130	33	4290
VK3AVV	SINGLE-OP ALL	60	77	55	4235
VK7XRN	SINGLE-OP ALL	49	82	42	3444
VK8AV	SINGLE-OP ALL	35	72	35	2520
VK4EJ	SINGLE-OP ALL	8	17	8	136
VK2HPM**	SINGLE-OP 80M	67	670	8	5360
VK4BUI*	SINGLE-OP 20M	185	185	129	23865
VK4NEF*	SINGLE-OP 15M	94	188	52	9776
VI6175WA*	MULTI-ONE ALL	796	1748	443	774364
VK2IMM	CHECKLOG ALL	10	10	10	100
East Malaysia					
9M6A*	SINGLE-OP ALL	1118	1918	564	1081752
Guam					
WH2V*	SINGLE-OP ALL	799	1507	418	629926
Indonesia					
YB4IR*	SINGLE-OP ALL	165	360	134	48240
YB2EMK	SINGLE-OP ALL	100	206	76	15656
YB5BO	SINGLE-OP ALL	54	107	45	4815

YB1TC	SINGLE-OP ALL	41	43	39	1677
YB1UUN	SINGLE-OP ALL	14	26	13	338
YB2OK**	SINGLE-OP 40M	41	205	38	7790
YB0A**	SINGLE-OP 20M	407	407	248	100936
YB1TYG	SINGLE-OP 20M	92	92	75	6900
YC3BDJ**	SINGLE-OP 15M	789	1578	376	593328
YB2VTO	SINGLE-OP 15M	367	734	208	152672
YB2OBL	SINGLE-OP 15M	286	572	198	113256
YC9WZJ	SINGLE-OP 15M	299	598	169	101062
YB0WWW	SINGLE-OP 15M	184	368	122	44896
New Zealand					
ZL2001SWL**	SWL ALL	142	294	105	30870
ZL2UO*	SINGLE-OP ALL	711	1608	431	693048
ZL1ALZ	SINGLE-OP ALL	452	749	283	211967
ZL1ANH	SINGLE-OP ALL	248	757	180	136260
ZL1BYZ	SINGLE-OP ALL	107	116	87	10092
ZL3GA	SINGLE-OP ALL	31	57	29	1653
ZL1AWF	SINGLE-OP ALL	28	38	27	1026
ZL1CT*	SINGLE-OP 20M	220	220	149	32780
ZL2RVW	SINGLE-OP 20M	186	186	132	24552
ZL2DZ	SINGLE-OP 20M	80	80	65	5200
ZL3DW	SINGLE-OP 20M	23	23	18	414
ZL3AB	SINGLE-OP 20M	14	14	14	196
ZL4AA**	MULTI-ONE ALL	655	2136	388	828768
ZL1AA	MULTI-ONE ALL	889	1633	507	827931
ZL6QH**	MULTI-MULTI ALL	1523	4502	818	3682636
Philippines					
DU7MHA*	SINGLE-OP ALL	612	1141	374	426734
DU4JT*	SINGLE-OP 20M	58	58	47	2726
4F1MEU*	SINGLE-OP 15M	125	250	71	17750
DX1RN*	MULTI-ONE ALL	85	166	53	8798

Continent: North America

Canada					
VE3DZ*	SINGLE-OP ALL	8	28	8	224
VE3TPZ*	SINGLE-OP 20M	0	0	0	0
Costa Rica					
TI2KAC*	SINGLE-OP ALL	27	46	17	782
United States					
K3ZO**	SINGLE-OP ALL	57	171	33	5643
W2OO	SINGLE-OP ALL	9	9	6	54
N4JED	SINGLE-OP ALL	4	8	4	32
W7AV**	SINGLE-OP 80M	17	170	10	1700
K3TW**	SINGLE-OP 40M	16	80	10	800
N4MM**	SINGLE-OP 20M	3	3	3	9
KV2M	SINGLE-OP 20M	1	1	1	1
KV2R	SINGLE-OP 20M	1	1	1	1
W7KPL**	SINGLE-OP 15M	2	4	2	8

Continent: Europe

Azores					
CU2JT	CHECKLOG ALL	1	5	1	5

Belarus					
EW6GL*	SINGLE-OP 20M	4	4	3	12
Belgium					
ON4CAS*	SINGLE-OP 20M	15	15	12	180
ON4XG	CHECKLOG ALL	20	24	15	360
Bulgaria					
LZ2F-319**	SWL ALL	93	219	49	10731
LZ4UU	CHECKLOG ALL	3	5	3	15
Croatia					
9A7R*	SINGLE-OP 20M	11	11	8	88
9A4P**	MULTI-ONE ALL	5	5	3	15
Czech Republic					
OK2EQ*	SINGLE-OP ALL	27	50	21	1050
OK1AVY	SINGLE-OP ALL	10	30	10	300
OK1BA	SINGLE-OP ALL	18	24	12	288
OK1DVK	SINGLE-OP ALL	16	20	13	260
OK1KZ*	SINGLE-OP 20M	6	6	5	30
OK2ABU*	SINGLE-OP 15M	6	12	6	72
Denmark					
OZ1ADL**	SINGLE-OP 15M	20	40	16	640
OZ1FAO	SINGLE-OP 15M	1	2	1	2
England					
G4NXG/M*	SINGLE-OP ALL	21	30	14	420
G0BPK	SINGLE-OP ALL	0	0	0	0
M0WTD*	SINGLE-OP 20M	1	1	1	1
Estonia					
ES1QD*	SINGLE-OP 20M	22	22	13	286
European Italy					
IK4QJF*	SINGLE-OP ALL	35	47	21	987
IZ4DYQ	SINGLE-OP ALL	21	26	14	364
IK2QPR	SINGLE-OP ALL	12	18	10	180
IZ4DIG*	SINGLE-OP 20M	17	17	12	204
IZ5DKG	SINGLE-OP 20M	19	19	10	190
IK5WGK	SINGLE-OP 20M	17	17	8	136
European Russia					
R3A-847*	SWL ALL	36	79	24	1896
RD3A*	SINGLE-OP ALL	139	245	63	15435
UA4FER	SINGLE-OP ALL	71	109	42	4578
RL3AW	SINGLE-OP ALL	92	119	38	4522
RX6LP	SINGLE-OP ALL	51	80	32	2560
RW6MII	SINGLE-OP ALL	46	71	30	2130
UA4NCI	SINGLE-OP ALL	46	64	30	1920
RV3NA	SINGLE-OP ALL	47	64	25	1600
RW4FX	SINGLE-OP ALL	33	46	25	1150
UA3LEL	SINGLE-OP ALL	31	41	23	943
RK3BA	SINGLE-OP ALL	25	33	19	627
RD4WA	SINGLE-OP ALL	18	31	14	434
RA6AAW	SINGLE-OP ALL	19	25	16	400
RA3PW	SINGLE-OP ALL	24	26	15	390
RA1TV	SINGLE-OP ALL	19	25	14	350
RW3AI	SINGLE-OP ALL	21	23	14	322
RX3MM	SINGLE-OP ALL	20	22	14	308
RW6AH	SINGLE-OP ALL	13	15	11	165
UA3BM	SINGLE-OP ALL	11	11	8	88

RA3XO	SINGLE-OP ALL	7	12	7	84
RU3VD	SINGLE-OP ALL	1	1	1	1
RA6DB**	SINGLE-OP 20M	78	78	19	1482
RV4CT	SINGLE-OP 20M	44	44	18	792
UA6LP	SINGLE-OP 20M	18	18	12	216
UA6ART	SINGLE-OP 20M	19	19	10	190
RF4R	SINGLE-OP 20M	20	20	7	140
UA4QK	SINGLE-OP 20M	13	13	10	130
RN1AO	SINGLE-OP 20M	16	16	8	128
RX3MX	SINGLE-OP 20M	13	13	7	91
RV3AR	SINGLE-OP 20M	9	9	7	63
RK3XWD*	SINGLE-OP 15M	15	30	11	330
UA3AGW	CHECKLOG ALL	12	16	11	176
RV6FG	CHECKLOG ALL	10	10	8	80
RA3DNC	CHECKLOG ALL	8	10	7	70
Fed. Rep. of Germany					
DL9MKA*	SINGLE-OP ALL	48	80	22	1760
DK7YY	SINGLE-OP ALL	21	29	18	522
DL1DQY	SINGLE-OP ALL	19	22	13	286
DL6DVU	SINGLE-OP ALL	10	13	9	117
DK2ZO	SINGLE-OP ALL	3	3	1	3
DL1TC*	SINGLE-OP 20M	24	24	11	264
DL1HSR	SINGLE-OP 20M	6	6	6	36
DL8DXL	SINGLE-OP 20M	2	2	2	4
DL7VMM	CHECKLOG ALL	7	8	7	56
DG1BQC	CHECKLOG ALL	1	2	1	2
Finland					
OH6NIO*	SINGLE-OP ALL	55	91	34	3094
OH4RH	SINGLE-OP ALL	45	61	24	1464
OH1BV	SINGLE-OP ALL	39	54	22	1188
OH4MCV	SINGLE-OP ALL	33	41	21	861
OH6IO*	SINGLE-OP 40M	21	105	14	1470
OH7NRW*	SINGLE-OP 20M	47	47	18	846
OH2LU	SINGLE-OP 20M	21	21	8	168
France					
F5RMY*	SINGLE-OP ALL	40	53	25	1325
F5IN	SINGLE-OP ALL	24	28	10	280
Greece					
SV2AEL*	SINGLE-OP ALL	16	29	12	348
Hungary					
HG8W*	SINGLE-OP 20M	6	6	5	30
Ireland					
EI4CF*	SINGLE-OP ALL	21	37	16	592
Kaliningradsk					
RV2FW/1*	SINGLE-OP ALL	24	42	20	840
Latvia					
YL2LY*	SINGLE-OP ALL	47	99	31	3069
Lithuania					
LY3UM*	SINGLE-OP ALL	97	143	44	6292
LY2LF*	SINGLE-OP 20M	18	18	13	234
Moldova					
ER1Q**	SINGLE-OP ALL	154	281	64	17984
ER4DX*	SINGLE-OP 40M	25	125	17	2125
ER3GS*	SINGLE-OP 20M	20	20	10	200

Netherlands					
PA5A*	SINGLE-OP ALL	116	166	41	6806
PF9A	SINGLE-OP ALL	21	25	13	325
PA0LRK	SINGLE-OP ALL	10	14	10	140
PA0JNH	SINGLE-OP ALL	8	12	7	84
PA3AAV	SINGLE-OP ALL	3	7	3	21
PA7A**	SINGLE-OP 40M	41	205	16	3280
PA0MIR*	SINGLE-OP 20M	19	19	14	266
Norway					
LA2OKA*	SINGLE-OP ALL	3	5	3	15
Poland					
SP2300LG*	SWL ALL	11	11	7	77
SP3GXH*	SINGLE-OP ALL	61	89	34	3026
SP2QG	SINGLE-OP ALL	27	37	20	740
SP6IEQ	SINGLE-OP ALL	19	24	17	408
SP3GHK	SINGLE-OP ALL	17	25	12	300
SP9HZF	SINGLE-OP ALL	14	25	12	300
SP9FKQ	SINGLE-OP ALL	11	28	10	280
SP2JSS	SINGLE-OP ALL	8	13	8	104
SQ9ITH	SINGLE-OP ALL	8	12	6	72
SP4LVK	SINGLE-OP ALL	6	9	6	54
SP2EXN*	SINGLE-OP 20M	9	9	6	54
SP4SHD	SINGLE-OP 20M	7	7	6	42
SP1DTG	SINGLE-OP 20M	6	6	6	36
SP4AAZ	SINGLE-OP 20M	6	6	5	30
SN0ZX*	SINGLE-OP 15M	6	12	6	72
SP9GFI	CHECKLOG ALL	2	6	2	12
SP3XR	CHECKLOG ALL	2	2	2	4
SP6IHE	CHECKLOG ALL	2	2	2	4
Romania					
YO6BHN*	SINGLE-OP ALL	38	52	29	1508
YO3CZW	SINGLE-OP ALL	10	15	9	135
YO2AOB	SINGLE-OP ALL	5	9	4	36
YO2RR*	SINGLE-OP 15M	12	24	11	264
Serbia & Montenegro					
YU7KM*	SINGLE-OP ALL	16	21	12	252
Slovakia					
OM3MB*	SINGLE-OP ALL	23	31	18	558
OM4JD*	SINGLE-OP 20M	25	25	10	250
OM7YC*	SINGLE-OP 15M	4	8	4	32
Slovenia					
S51CK*	SINGLE-OP 20M	8	8	7	56
Spain					
EA3EYD*	SINGLE-OP ALL	39	53	24	1272
EA1CS	SINGLE-OP ALL	16	17	11	187
Sweden					
SM3-8055*	SWL ALL	34	20	42	840
7S2E*	SINGLE-OP ALL	78	207	43	8901
SM7BJW	SINGLE-OP ALL	14	19	11	209
SM5QU	SINGLE-OP ALL	13	17	11	187
SM2M	SINGLE-OP ALL	10	16	10	160
SM4XIH*	SINGLE-OP 20M	2	2	2	4
SM6IQD	CHECKLOG ALL	1	2	1	2
SM0LZT	CHECKLOG ALL	1	1	1	1
SM4FYX	CHECKLOG ALL	0	0	0	0

Ukraine

US-I-666*	SWL ALL	22	24	16	384
UT1ZZ*	SWL ALL	18	24	16	384
UU-J-1	SWL ALL	15	16	12	192
UT2IY*	SINGLE-OP ALL	156	256	46	11776
UW5U	SINGLE-OP ALL	50	65	25	1625
UX2IQ	SINGLE-OP ALL	34	43	22	946
UT3UA	SINGLE-OP ALL	44	49	17	833
US2WU	SINGLE-OP ALL	21	37	18	666
UR4IXM	SINGLE-OP ALL	21	33	15	495
UT5MB	SINGLE-OP ALL	6	19	5	95
US5ZZ	SINGLE-OP ALL	2	3	2	6
UT2IJ*	SINGLE-OP 40M	28	140	18	2520
UV5U*	SINGLE-OP 20M	3	3	3	9
UX0IB*	SINGLE-OP 15M	12	24	11	264

Continent: Asia

Asiatic Russia

UA0-107-181	SWL ALL	69	161	47	7567
RZ3BY/0*	SINGLE-OP ALL	162	422	76	32072
RW0CF	SINGLE-OP ALL	119	260	62	16120
RW0AR	SINGLE-OP ALL	84	222	54	11988
RZ9OQ	SINGLE-OP ALL	76	120	41	4920
UA0LCZ	SINGLE-OP ALL	53	119	39	4641
RW0UU	SINGLE-OP ALL	46	89	32	2848
UA9AX	SINGLE-OP ALL	47	77	33	2541
UA9LP	SINGLE-OP ALL	47	67	31	2077
RA9AU	SINGLE-OP ALL	47	67	30	2010
UA9MA	SINGLE-OP ALL	41	65	28	1820
RX9FB	SINGLE-OP ALL	42	60	27	1620
RX9AM	SINGLE-OP ALL	35	56	28	1568
UA9XF	SINGLE-OP ALL	24	36	20	720
RW0AQ	SINGLE-OP ALL	27	35	19	665
UA0AKY	SINGLE-OP ALL	14	25	13	325
RA0AY	SINGLE-OP ALL	18	22	11	242
RZ9OW	SINGLE-OP ALL	20	22	9	198
RX9FR	SINGLE-OP ALL	11	12	7	84
RV9BI	SINGLE-OP ALL	9	10	6	60
RX9WN	SINGLE-OP ALL	6	8	6	48
RA9KM	SINGLE-OP ALL	3	7	3	21
RA0BA**	SINGLE-OP 80M	1	10	1	10
RZ0SR*	SINGLE-OP 40M	10	50	7	350
UA9LAU*	SINGLE-OP 20M	23	23	12	276
RX9FW	SINGLE-OP 20M	16	16	8	128
RW9AW	SINGLE-OP 20M	15	15	8	120
UA9FGJ	SINGLE-OP 20M	13	13	7	91
RA0LE*	SINGLE-OP 15M	25	50	20	1000
UA9XRV	SINGLE-OP 15M	4	8	4	32
RW9QA	SINGLE-OP 15M	2	4	2	8
RK9CWA**	MULTI-ONE ALL	65	143	41	5863
RK0AXX	MULTI-ONE ALL	67	101	37	3737
RK9JWV	MULTI-ONE ALL	58	98	32	3136

Hong Kong

VR2BG*	SINGLE-OP ALL	81	162	49	7938
VR2XLN	SINGLE-OP ALL	36	63	30	1890

India

AT0D*	SINGLE-OP 20M	3	3	3	9

Japan					
JA8-3769*	SWL ALL	30	56	15	840
JH4UYB**	SINGLE-OP ALL	226	630	94	59220
JA7ODY	SINGLE-OP ALL	78	212	42	8904
JA7BME	SINGLE-OP ALL	60	157	46	7222
JA1GLE	SINGLE-OP ALL	51	130	39	5070
JM7EPG	SINGLE-OP ALL	59	121	36	4356
JA1KVT	SINGLE-OP ALL	43	122	35	4270
JO7KMB	SINGLE-OP ALL	48	116	36	4176
JA1CMD/0	SINGLE-OP ALL	45	76	30	2280
JA2GHP	SINGLE-OP ALL	38	82	27	2214
JA1XPU	SINGLE-OP ALL	36	69	27	1863
JA4AQR	SINGLE-OP ALL	36	57	27	1539
JA0XD	SINGLE-OP ALL	32	59	26	1534
JA1GYO	SINGLE-OP ALL	27	59	24	1416
JA1KK	SINGLE-OP ALL	25	52	21	1092
JA1HG	SINGLE-OP ALL	25	44	22	968
JA1HFY	SINGLE-OP ALL	21	38	16	608
JE1COB	SINGLE-OP ALL	17	31	15	465
JG2REJ	SINGLE-OP ALL	9	16	9	144
JR9NVB**	SINGLE-OP 40M	35	175	25	4375
JH7XMO	SINGLE-OP 40M	45	225	18	4050
JJ2PUG	SINGLE-OP 40M	11	55	8	440
JA3PYC	SINGLE-OP 40M	6	30	4	120
JA6GCE**	SINGLE-OP 20M	50	50	17	850
JR3RWB	SINGLE-OP 20M	28	28	13	364
JH1UUT	SINGLE-OP 20M	21	21	10	210
JF3BFS**	SINGLE-OP 15M	60	120	33	3960
7N2UQC	SINGLE-OP 15M	26	52	20	1040
JI7WPV	SINGLE-OP 15M	17	34	16	544
JR3KAH	SINGLE-OP 15M	16	32	13	416
JK1BII	SINGLE-OP 15M	14	28	10	280
JA7ADV	SINGLE-OP 15M	11	22	11	242
JA9SCB	SINGLE-OP 15M	11	22	11	242
JA3LEZ	SINGLE-OP 15M	10	20	9	180
JA1AAT	SINGLE-OP 15M	9	18	8	144
JI1KIW	SINGLE-OP 15M	9	18	8	144
JO3CQF	SINGLE-OP 15M	8	16	7	112
JG1GCO	SINGLE-OP 15M	6	12	6	72
JI8BUR	SINGLE-OP 15M	6	12	6	72
JG1VGX/M	SINGLE-OP 15M	5	10	5	50
JL3RDC	SINGLE-OP 15M	3	6	3	18
JA2MWV**	SINGLE-OP 10M	10	30	7	210
7K2PBB	SINGLE-OP 10M	5	15	3	45
Kazakhstan					
UN4PG*	SINGLE-OP 15M	14	28	12	336
Kyrgyzstan					
EX2X*	SINGLE-OP ALL	36	54	27	1458
Ogasawara					
JD1BIA*	SINGLE-OP 15M	11	22	11	242
Singapore					
9V1UV*	SINGLE-OP ALL	63	94	39	3666
9V1AL*	SINGLE-OP 15M	4	8	3	24
Tajikistan					
EY8MM*	SINGLE-OP 20M	21	21	12	252
Thailand					
HS1PDY*	SINGLE-OP ALL	1	2	1	2

E21EIC*	SINGLE-OP 15M	10	20	10	200

Operators

Callsign	Operators
7S2E	SM2DMU
9A4P	9A9AU
9M6A	G4MJS
CE2RLS	CE2SQE CE2RTF
DX1RN	DW1RXE DW1MDU
G4NXG/M	G4NXG
HG8W	HA8ZO
JA1CMD/0	JA1CMD
JG1VGX/M	JG1VGX
M0WTD	MOWTD
RD3A	RD3AF
RF4R	UA4RC
RK0AXX	RX0AE RU0AKB RA0ALM
RK9CWA	RW9CF RA9DK
RK9JWV	RA9JP
RV2FW/1	RV2FW
RZ3BY/0	RZ3BY
SM2M	SM2LIY
UA0-107-181	UA0LCZ
UR4IXM	US6IPD
UV5U	UX1UA
UW5U	UY2UA
VI6175WA	VI6175WA VK6APK VK6EH VK6KTN VK6CY VK6YEL VK6JIP VK6ZIC VK6HZ VK6HTW VK6TRA VK6BFI VK6FJA VK6TT
VK2HPM	VK2HPMS
VK6ZN/4	VK6ZN
WH2V	JF2VFN
ZL1AA	ZL1TM ZL1AFU
ZL4AA	ZL4NR ZL4OL ZL4QD ZL4KS ZL4SB
ZL6QH	ZL1AZE ZL2BSJ ZL2AMI ZL2AOV ZL1AXG ZL2CA

Annex 2: 2004 Oceania DX Contest CW Results

* Country winner
** Continent and country winner

Callsign	Category	QSOs	Points	Mults	Score
Continent: South America					
Argentina					
LU1EWL**	SINGLE-OP ALL	41	87	26	2262
Brazil					
PY7OJ*	SINGLE-OP ALL	2	4	2	8
PY7GK**	SINGLE-OP 15M	2	4	2	8
Uruguay					
CX7BY*	SINGLE-OP ALL	29	47	18	846
Continent: Oceania					
Australia					
VK6DXI**	SINGLE-OP ALL	1335	4309	810	3490290
VK4EMM	SINGLE-OP ALL	1445	4016	861	3457776
VK4AN	SINGLE-OP ALL	858	1808	536	969088
VK4TT	SINGLE-OP ALL	765	1572	498	782856
VK2KM	SINGLE-OP ALL	775	1453	490	711970
VK8AV	SINGLE-OP ALL	434	978	321	313938
VK2GR	SINGLE-OP ALL	384	979	288	281952
VK7GN	SINGLE-OP ALL	168	293	131	38383
VK3JS	SINGLE-OP ALL	99	441	68	29988
VK4BUI**	SINGLE-OP 20M	371	371	224	83104
VK2IMM	SINGLE-OP 20M	149	149	110	16390
VK2CZ**	SINGLE-OP 10M	18	54	17	918
Indonesia					
YB0DPO*	SINGLE-OP ALL	649	1712	458	784096
YB0WWW**	SINGLE-OP 15M	159	318	123	39114
YC3MM	SINGLE-OP 15M	12	24	9	216
New Zealand					
ZL1TM*	SINGLE-OP ALL	1118	2644	686	1813784
ZL2LF	SINGLE-OP ALL	391	1238	287	355306
ZL1ALZ	SINGLE-OP ALL	156	361	121	43681
ZL3GA	SINGLE-OP ALL	68	159	58	9222
ZL1/DK4ARL*	SINGLE-OP 20M	261	261	171	44631
ZL2RX	SINGLE-OP 20M	237	237	155	36735
ZL2RVW	SINGLE-OP 20M	74	74	55	4070
ZM1A**	MULTI-ONE ALL	1291	4938	728	3594864
ZL4AA	MULTI-ONE ALL	668	2493	418	1042074
ZL6QH**	MULTI-MULTI ALL	2066	6537	1041	6805017
Philippines					
DU7MHA*	SINGLE-OP ALL	420	542	268	145256
Vanuatu					
YJ0AX*	SINGLE-OP ALL	156	350	118	41300

Continent: North America

Canada					
VA7ST*	SINGLE-OP ALL	18	79	13	1027
VA3XRZ	SINGLE-OP ALL	10	35	10	350
VE3DZ*	SINGLE-OP 40M	14	70	9	630
United States					
N6RO**	SINGLE-OP ALL	129	472	72	33984
KM4M	SINGLE-OP ALL	65	219	43	9417
K3ZO	SINGLE-OP ALL	55	151	33	4983
N7IR	SINGLE-OP ALL	39	77	26	2002
W3CP	SINGLE-OP ALL	32	47	22	1034
N6MZ	SINGLE-OP ALL	13	40	13	520
K0IO	SINGLE-OP ALL	13	42	11	462
W6SJ	SINGLE-OP ALL	12	44	10	440
W9WI	SINGLE-OP ALL	16	39	11	429
K1GU	SINGLE-OP ALL	9	46	7	322
W7KPL	SINGLE-OP ALL	13	26	11	286
N3XL	SINGLE-OP ALL	5	25	4	100
NO6X	SINGLE-OP ALL	4	10	4	40
K8GT	SINGLE-OP ALL	1	3	1	3
W1RM**	SINGLE-OP 40M	16	80	10	800
W7DRA**	SINGLE-OP 40M	16	80	10	800
K3TW	SINGLE-OP 40M	17	85	9	765
N4MM**	SINGLE-OP 15M	5	10	5	50
K2EKM**	SINGLE-OP 10M	2	6	2	12

Continent: Europe

Azores					
CU2JT*	SINGLE-OP ALL	16	56	14	784
Belarus					
EW6AF*	SINGLE-OP ALL	23	32	15	480
EW7LO*	SINGLE-OP 40M	7	35	6	210
EW6GL*	SINGLE-OP 20M	6	6	5	30
Belgium					
ON4XG*	SINGLE-OP ALL	21	24	14	336
Bulgaria					
LZ2F-166**	SWL ALL	33	88	26	2288
LZ4UU*	SINGLE-OP ALL	22	52	19	988
LZ1RGM	SINGLE-OP ALL	16	53	15	795
LZ2PB	SINGLE-OP ALL	24	37	19	703
LZ7H*	SINGLE-OP 20M	4	4	3	12
Czech Republic					
OK2QX*	SINGLE-OP ALL	25	65	18	1170
OK2BNC	SINGLE-OP ALL	12	30	12	360
OK2EQ	SINGLE-OP ALL	11	31	11	341
OK2ABU	SINGLE-OP ALL	9	11	8	88
OK1DSU	SINGLE-OP ALL	4	13	2	26
OK1KZ	SINGLE-OP ALL	4	8	3	24
OK2BVG*	SINGLE-OP 40M	15	75	12	900
OL5DX*	SINGLE-OP 20M	1	1	1	1
OK2AJ	CHECKLOG ALL	5	7	5	35
Denmark					
OZ5DX*	SINGLE-OP ALL	55	119	35	4165
OZ8AE	SINGLE-OP ALL	21	28	14	392

OZ1FAO	SINGLE-OP ALL	16	28	13	364
OZ7BQ*	SINGLE-OP 20M	5	5	4	20
England					
G3GLL*	SINGLE-OP ALL	35	67	24	1608
G0VQR*	SINGLE-OP 20M	3	3	2	6
Estonia					
ES1AJ*	SINGLE-OP ALL	44	90	30	2700
ES4RD	SINGLE-OP ALL	22	28	14	392
ES4MM*	SINGLE-OP 20M	17	17	10	170
ES2JL*	SINGLE-OP 15M	10	20	7	140
ES1QD**	SINGLE-OP 10M	5	15	4	60
European Italy					
I3COW*	SINGLE-OP 20M	13	13	9	117
IZ8GCB	SINGLE-OP 20M	2	2	2	4
European Russia					
R3A-847*	SWL ALL	20	35	15	525
UA1-143-1	SWL ALL	17	31	12	372
RD3A*	SINGLE-OP ALL	78	184	49	9016
RV4LC	SINGLE-OP ALL	77	170	43	7310
UA4RC	SINGLE-OP ALL	56	131	37	4847
RA3UT	SINGLE-OP ALL	46	105	31	3255
UA4FER	SINGLE-OP ALL	47	85	29	2465
UA6LFQ	SINGLE-OP ALL	32	83	25	2075
RV3FI	SINGLE-OP ALL	38	66	24	1584
UA3EKG	SINGLE-OP ALL	27	69	21	1449
UA4QK	SINGLE-OP ALL	29	54	22	1188
UA3DMO	SINGLE-OP ALL	32	52	22	1144
RA4UVK	SINGLE-OP ALL	28	48	19	912
UA4NCI	SINGLE-OP ALL	25	48	18	864
RV1AT	SINGLE-OP ALL	22	46	16	736
RW4FX	SINGLE-OP ALL	22	31	15	465
UA6HON	SINGLE-OP ALL	19	28	16	448
UA1ZZ	SINGLE-OP ALL	20	34	13	442
UA1OM	SINGLE-OP ALL	12	47	9	423
RA3XCW	SINGLE-OP ALL	20	24	16	384
RA3TT	SINGLE-OP ALL	22	25	13	325
RW6AH	SINGLE-OP ALL	13	24	11	264
RD4WA	SINGLE-OP ALL	9	29	8	232
RW4HM	SINGLE-OP ALL	11	29	7	203
UA3DCW	SINGLE-OP ALL	10	13	8	104
RA1TV	SINGLE-OP ALL	12	13	7	91
RA6AAW	SINGLE-OP ALL	10	10	7	70
RK3BA	SINGLE-OP ALL	7	9	7	63
RK6HG	SINGLE-OP ALL	4	9	4	36
RU3VD	SINGLE-OP ALL	1	1	1	1
RT3T*	SINGLE-OP 40M	12	60	11	660
UA6LCN	SINGLE-OP 40M	7	35	6	210
RX3AP	SINGLE-OP 40M	2	10	2	20
RA6DB**	SINGLE-OP 20M	28	28	14	392
RX3MM	SINGLE-OP 20M	12	12	9	108
RD3AY	SINGLE-OP 20M	10	10	8	80
UA6LP	SINGLE-OP 20M	8	8	7	56
RW3AI	SINGLE-OP 20M	8	8	6	48
UA3DEE**	SINGLE-OP 15M	14	28	9	252
RA3XO	SINGLE-OP 15M	10	20	7	140
RA3XA	SINGLE-OP 15M	2	4	2	8
UA6ADC*	SINGLE-OP 10M	3	9	3	27
RK3SWB**	MULTI-ONE ALL	52	90	32	2880
UA3AGW	CHECKLOG ALL	18	76	14	1064

UA3EDQ	CHECKLOG ALL	4	8	3	24
RD3AP	CHECKLOG ALL	3	11	3	33
UA4COL	CHECKLOG ALL	5	5	3	15
RZ6HF	CHECKLOG ALL	2	6	2	12
RW3VZ	CHECKLOG ALL	1	2	1	2
Fed. Rep. of Germany					
DH2URF*	SWL ALL	9	21	18	168
DL8UKE*	SINGLE-OP ALL	27	32	17	544
DL5JAN	SINGLE-OP ALL	10	27	9	243
DJ5GG	SINGLE-OP ALL	10	16	8	128
DL6UNF	SINGLE-OP ALL	10	13	6	78
DL1DQY	SINGLE-OP ALL	7	11	7	77
DL3ZAI	SINGLE-OP ALL	4	6	4	24
DL3NSM*	SINGLE-OP 20M	23	23	13	299
DL8UAT	SINGLE-OP 20M	7	7	7	49
DL5ANS	SINGLE-OP 20M	4	4	4	16
DL2HWI	CHECKLOG ALL	7	10	6	60
DL0ITU	CHECKLOG ALL	8	8	6	48
DL7VRG	CHECKLOG ALL	5	5	4	20
Finland					
OH2PM*	SINGLE-OP ALL	62	166	38	6308
OH6NIO	SINGLE-OP ALL	43	115	29	3335
OH4RH	SINGLE-OP ALL	40	101	28	2828
OH4MCV	SINGLE-OP ALL	11	23	9	207
OH2HMB	SINGLE-OP ALL	10	15	6	90
OH3GD*	SINGLE-OP 40M	12	60	11	660
OH3TY*	SINGLE-OP 15M	12	24	8	192
France					
F5NOD*	SINGLE-OP ALL	36	77	29	2233
Hungary					
HA2MV*	SINGLE-OP ALL	25	31	16	496
HA3PT	SINGLE-OP ALL	6	7	6	42
HA8LKB*	SINGLE-OP 40M	10	50	9	450
HA2MN/5*	SINGLE-OP 20M	4	4	3	12
HA8MT*	SINGLE-OP 10M	2	6	2	12
Iceland					
TF3DX*	SINGLE-OP ALL	22	50	17	850
Ireland					
EI4CF*	SINGLE-OP ALL	23	39	15	585
Latvia					
YL2PQ*	SINGLE-OP ALL	46	116	32	3712
YL5M	SINGLE-OP ALL	28	32	18	576
YL2PP	SINGLE-OP ALL	3	4	3	12
YL3GCU*	SINGLE-OP 40M	1	5	1	5
Lithuania					
LY3UM**	SINGLE-OP ALL	79	229	50	11450
LY3BA	SINGLE-OP ALL	25	33	15	495
LY3CW	SINGLE-OP ALL	17	33	12	396
LY2LF*	SINGLE-OP 20M	12	12	10	120
Netherlands					
PA0MIR*	SINGLE-OP ALL	17	28	13	364
Norway					
LA1YE*	SINGLE-OP ALL	20	29	14	406
LA6FJA*	SINGLE-OP 40M	1	5	1	5
LA9DK*	SINGLE-OP 20M	8	8	6	48

Poland					
SP9FKQ*	SINGLE-OP ALL	49	108	33	3564
SP2B	SINGLE-OP ALL	36	71	26	1846
SP3LWP	SINGLE-OP ALL	14	23	11	253
SQ9FMU	SINGLE-OP ALL	7	29	7	203
SN6A	SINGLE-OP ALL	11	19	10	190
SP3BGD	SINGLE-OP ALL	13	14	11	154
SP2EPV	SINGLE-OP ALL	10	15	9	135
SP3JUN	SINGLE-OP ALL	10	12	7	84
SP3XR	SINGLE-OP ALL	9	14	6	84
SP2HMT	SINGLE-OP ALL	5	9	4	36
SP3AZO	SINGLE-OP ALL	6	7	5	35
SP4AVG	SINGLE-OP ALL	3	6	3	18
SP4DEU**	SINGLE-OP 40M	16	80	12	960
SP5GH	SINGLE-OP 40M	13	65	11	715
SP2EXN	SINGLE-OP 40M	6	30	6	180
SP8BAB*	SINGLE-OP 20M	19	19	13	247
SP4AAZ	SINGLE-OP 20M	9	9	6	54
SP7FGA	CHECKLOG ALL	12	19	11	209
SP5ELW	CHECKLOG ALL	1	1	1	1
SP9GFI	CHECKLOG 20M	0	0	0	0
Romania					
YO2RR*	SINGLE-OP 15M	10	20	7	140
YO9DAF	CHECKLOG ALL	18	18	11	198
YO3JW	CHECKLOG ALL	2	4	2	8
Serbia & Montenegro					
YU7KM*	SINGLE-OP ALL	24	41	17	697
Slovakia					
OM8ON*	SINGLE-OP ALL	29	96	23	2208
OM3OM	SINGLE-OP ALL	37	78	26	2028
OM4JD	SINGLE-OP ALL	32	52	18	936
OM3MB*	SINGLE-OP 20M	20	20	11	220
OM1AW	SINGLE-OP 20M	10	10	8	80
OM3DX	SINGLE-OP 20M	9	9	5	45
OM7AT	SINGLE-OP 20M	3	3	2	6
OM7YC*	SINGLE-OP 15M	8	16	7	112
OM7PY	SINGLE-OP 15M	7	14	5	70
Slovenia					
S53AU*	SINGLE-OP ALL	12	13	8	104
Spain					
EA7AZA*	SINGLE-OP ALL	13	41	12	492
EA1CS	SINGLE-OP ALL	9	12	8	96
Sweden					
7S2E*	SINGLE-OP ALL	54	165	36	5940
SM6IQD	SINGLE-OP ALL	9	24	8	192
SM4TU	SINGLE-OP ALL	12	20	9	180
SM7BJW	SINGLE-OP ALL	10	14	8	112
SM5CSS*	SINGLE-OP 15M	4	8	3	24
Switzerland					
HB9IK*	SINGLE-OP ALL	33	66	24	1584
HB9CZF	SINGLE-OP ALL	10	14	7	98
Ukraine					
UT1ZZ*	SWL ALL	12	20	8	160
UT3UA*	SINGLE-OP ALL	59	151	39	5889
US0ZZ	SINGLE-OP ALL	48	140	37	5180
US2WU	SINGLE-OP ALL	34	70	25	1750

UY0ZG	SINGLE-OP ALL	41	60	25	1500
US0KW	SINGLE-OP ALL	31	64	22	1408
UT2UB	SINGLE-OP ALL	25	68	20	1360
UR7EQ	SINGLE-OP ALL	27	62	20	1240
UT4NP	SINGLE-OP ALL	27	56	21	1176
UW5U	SINGLE-OP ALL	24	46	17	782
UT0RM	SINGLE-OP ALL	26	37	16	592
UU4J	SINGLE-OP ALL	21	31	16	496
US6IMA	SINGLE-OP ALL	16	23	12	276
UR8RF*	SINGLE-OP 40M	4	20	4	80
UX5EF*	SINGLE-OP 20M	11	11	9	99
UX0ZA	SINGLE-OP 20M	10	10	8	80
UU1JO	SINGLE-OP 20M	5	5	5	25
US9QA*	SINGLE-OP 15M	11	22	9	198
UX0IB	SINGLE-OP 15M	11	22	8	176

Continent: Asia

Asiatic Russia

UA0-107-181	SWL ALL	61	164	40	6560
UA0CA*	SINGLE-OP ALL	91	287	54	15498
UA9PC	SINGLE-OP ALL	82	206	54	11124
UA0SC	SINGLE-OP ALL	72	172	48	8256
UA0LCZ	SINGLE-OP ALL	63	184	40	7360
RX9AM	SINGLE-OP ALL	61	158	41	6478
UA0AZ	SINGLE-OP ALL	51	156	35	5460
UA0QBR	SINGLE-OP ALL	62	140	37	5180
UA0SAD	SINGLE-OP ALL	50	114	34	3876
RA0LL	SINGLE-OP ALL	38	121	29	3509
RU0AW	SINGLE-OP ALL	50	100	30	3000
UA9AX	SINGLE-OP ALL	38	95	26	2470
UA0ACG	SINGLE-OP ALL	34	77	24	1848
RA0AY	SINGLE-OP ALL	34	72	21	1512
UA0AKY	SINGLE-OP ALL	25	57	15	855
RA0AA	SINGLE-OP ALL	27	48	16	768
UA9MA	SINGLE-OP ALL	24	42	18	756
UA9XF	SINGLE-OP ALL	18	33	15	495
RX9FB	SINGLE-OP ALL	20	30	15	450
RK9CWW	SINGLE-OP ALL	16	30	12	360
RN9XA	SINGLE-OP ALL	15	26	12	312
RA9KM	SINGLE-OP ALL	11	29	10	290
RA9HTO	SINGLE-OP ALL	16	24	11	264
RA0CDF	SINGLE-OP ALL	12	21	10	210
RU9CI	SINGLE-OP ALL	13	21	10	210
RX9JW	SINGLE-OP ALL	11	16	10	160
RK9QWZ	SINGLE-OP ALL	9	17	9	153
RW0AR**	SINGLE-OP 20M	22	22	15	330
UA9FGJ	SINGLE-OP 20M	12	12	7	84
RW0AJ	SINGLE-OP 20M	10	10	8	80
RX9LW	SINGLE-OP 20M	8	8	6	48
RA9XU	SINGLE-OP 20M	6	6	5	30
RW0LIA**	SINGLE-OP 15M	17	34	11	374
RW9QA	SINGLE-OP 15M	4	8	3	24
RK9JWV**	MULTI-ONE ALL	39	80	24	1920
RK0LWW**	MULTI-MULTI ALL	54	181	38	6878
RU9UC	CHECKLOG ALL	20	43	14	602
RV9UD	CHECKLOG ALL	11	17	9	153

Azerbaijan

4J7WMF*	SINGLE-OP ALL	15	18	13	234

Hong Kong					
VR2BG*	SINGLE-OP ALL	59	171	41	7011
India					
VU2UR*	SINGLE-OP ALL	28	57	21	1197
Israel					
4Z5MU*	SINGLE-OP ALL	43	87	27	2349
Japan					
JG1IGX**	SINGLE-OP ALL	88	278	56	15568
JA0XD	SINGLE-OP ALL	57	147	32	4704
JA4AQR	SINGLE-OP ALL	35	95	23	2185
JA2KPV	SINGLE-OP ALL	28	63	21	1323
JA1HFY	SINGLE-OP ALL	26	61	19	1159
JA1CPZ	SINGLE-OP ALL	30	55	18	990
JE1COB	SINGLE-OP ALL	29	48	19	912
JA9CWJ	SINGLE-OP ALL	17	30	14	420
JA8AJE	SINGLE-OP ALL	13	37	9	333
JR1NKN	SINGLE-OP ALL	11	27	7	189
JA1HG	SINGLE-OP ALL	10	22	6	132
JM1NKT**	SINGLE-OP 80M	9	90	8	720
JO7KMB	SINGLE-OP 80M	8	80	7	560
JA1PS**	SINGLE-OP 40M	22	110	13	1430
JR9NVB	SINGLE-OP 40M	21	105	13	1365
JA7ODY	SINGLE-OP 40M	14	70	10	700
JA2KKA	SINGLE-OP 40M	10	50	7	350
JE2HVC	SINGLE-OP 40M	8	40	6	240
JR3RWB*	SINGLE-OP 20M	24	24	12	288
JK1LUY	SINGLE-OP 20M	11	11	9	99
JA1XPU	SINGLE-OP 20M	9	9	7	63
JA7ARW	SINGLE-OP 20M	7	7	5	35
JA1AAT*	SINGLE-OP 15M	7	14	4	56
JG1UKW*	SINGLE-OP 15M	7	14	4	56
JQ1AHZ/2	SINGLE-OP 15M	5	10	5	50
JO1WIZ	SINGLE-OP 15M	4	8	3	24
7K2PBB**	SINGLE-OP 10M	8	24	5	120
JE2SOY	SINGLE-OP 10M	6	18	5	90
JM1RPV/1	SINGLE-OP 10M	3	9	3	27
Kazakhstan					
UN5J*	SINGLE-OP ALL	61	136	39	5304
UN7MO	SINGLE-OP ALL	33	60	24	1440
UN6LN	SINGLE-OP ALL	13	25	9	225
UN7EX	SINGLE-OP ALL	13	19	10	190
UN4PD*	SINGLE-OP 20M	13	13	9	117
UN4PG*	SINGLE-OP 15M	15	30	11	330
Kyrgyzstan					
EX2X*	SINGLE-OP ALL	35	65	23	1495
Thailand					
E21EIC*	SINGLE-OP ALL	6	20	4	80

Operators

Callsign	Operators
7S2E	SM2DMU
DL0ITU	DL3RD
HA2MN/5	HA2MN
JM1RPV/1	JM1RPV

JQ1AHZ/2	JQ1AHZ
KM4M	W3BP
OH3GD	OH3GB
OL5DX	OK1KZ
ON4XG	CALLSIGN/S
RD3A	RD3AF
RK0LWW	RA0LSO RW0MM RU0LAX UA0LMO UA0LSK ALEXANDR P.ZHURAVLEV
RK3SWB	RA3S-367
RK9CWW	UA9CIR
RK9JWV	VLAD KLYUCHEROV AND ANATOL GALKIN
RK9QWZ	RW9QA
RT3T	UA3TU
SN6A	SP6CES
UA0-107-181	UA0LCZ
UA6ADC	RUSSIA
UT2UB	ANDREJ LYAKIN
UU4J	UU4JO
UW5U	UY2UA
YJ0AX	YJ0AX VK4TI
ZL1/DK4ARL/P	DK4ARL
ZL4AA	ZL4NR ZL4OL ZL4DK ZL4KX ZL4KS ZL4VM
ZL6QH	ZL1AZE ZL1BHQ ZL1BYZ ZL2AGY ZL1CT
ZM1A	ZL1AIH ZL1GO

Annex 3: 2004 Soapbox

PHONE Comments

Callsign	Comments
4F1MEU	NOT A VERY GOOD OPENING ON 15M BAND IN DU - SEE YOU AGAIN NEXT YEAR...
7K2PBB	THESE DAYS NOTHING ON MY FAVOURITE 10M BAND! 1 AM 3RD CLASSED IN JA.
7S2E	FUN AS USUAL TO WORK THE STATIONS DOWN UNDER. I WAS SURPRISED TO WORK SO MANY STATIONS ON 15M. HEARD ONE VK ON 10M BUT HE WAS NOT ACTIVE IN CONTEST. LOW BANDS ARE GETTING BETTER AND THIS YEAR I MANAGED 4 QSOS ON 80M.
AT0D	VERY POOR PROPAGATION ON 20M. HOPE NEXT YEAR WILL BE BETTER.
DK7YY	IT IS EVERY TIME AN ADVENTURE TO SPEAK WITH VK/ZL AND THE OTHER CCEANIA BOYS VIA SW.
DU4JT	I SUFFERED A LONG POWER FAILURE IN MY AREA
DX1RN	I SUFFERED A LONG POWER FAILURE IN MY AREA
EA3EYD	GOOD PROPAGATION THIS YEAR ON 15 AND 20 METERS. HOPE TO MEET YOU AGAIN IN 2005.
EI4CF	BANDS WERE AMAZINGLY GOOD - JUST WISH I HAD MORE TIME!
G0BPK	ENJOYED WORKING THE OCEANIA STATIONS.
G4NXG/M	GREAT TO WORK VK6 ON 40 METRES!
JA1CMD/0	I HAVE COME BACK TO AMATEUR RADIO AFTER 16 YEARS QRT SINCE 1989. I AM VERY HAPPY TO HEAR MANY OF MY OLD FRIENDS IN VK/ZL.
JA1HFY	TU FOR THE GOOD CONTEST - CU IN 2005.
JH4UYB	GREAT CONTEST!
K3TW	IT WAS NICE TO HEAR SO MANY LOUD SIGNALS FROM OCEANIA ON 7 MHZ.
KV2M	HEARD THE BIG SIGNAL FROM VK2KM WHILE I WAS PLAYING IN CA QSO PARTY - MY 1ST VK QSO!
OK1BA	TNX CONTEST - CONDX BETTER THAN LAST YEAR.
OK1DVK	DIFFICULT FOR EUROPEANS BUT ALSO MOST INTERESTING!
OM4JD	I COULD OPERATE ABOUT 2 HOURS ONLY IN PHONE PART THIS YEAR.
PA0LRK	BAND CONDX WERE QUITE POOR - I COULD NOT MAKE MORE THAN 10 CONTACTS
PA0MIR	PLEASED TO JOIN AGAIN BUT A LACK OF STATIONS FROM OCEANIA IS NOT KEEPING THE ADRENALIN FLOWING.....
PA5A	FIRST TIME IN THIS CONTEST. I WORKED MORE VK/ZL'S IN THIS 24 HR PERIOD THEN I HAVE WORKED IN THE LAST 12 YEARS HI!
PA7A	IT WAS VERY NICE TO TAKE PART IN THE CONTEST. IT'S A PITY I HAD TO GO TO A PARTY ON SATURDAY, THUS MISSING OUT ON THE BEST OPENING. I HOPE TO BE ABLE TO TAKE PART NEXT YEAR AND FUTURE YEARS.
SM7BJW	WORKED EVERYONE I HEARD ON SATURDAY. CONDX DROPPED DOWN AROUND 1900 Z. SIGNALS BEGUN POPPING UP ON SUNDAY JUST BEFORE IT WAS ALL OVER. ALWAYS FUN TO WORK SOME RARE STATIONS FROM HERE.
TI2KAC	THANKS FOR OPPORTUNITY TO WORK 80 METERS - NICE CONTEST. SEE YOU NEXT YEAR.
UA9XRV	I AM 15 YEARS OLD

UT2IY	I LIKE THIS CONTEST VERY MUCH. ACTIVITY WAS BETTER THAN LAST YEAR. I MADE MORE CONTACTS THAN THE LAST CONTEST IN MULTI-ONE CATEGORY. 20M WAS GREAT WITH 123 QSOS.
VE3TPZ	WORKED MY FIRST VK ON 20M!
VI6175WA	THE NORTHERN CORRIDOR RADIO GROUP AGAIN TRAVELLED TO MURESK FOR THE CONTEST. USING THE SPECIAL CALL VI6175WA WAS FUN BUT ALSO CONFUSING AT TIMES.
VK2CZ	A MODEST EFFORT GIVEN USE OF PORTABLE ANTENNAS - NICE TO SEE 10M WIDE OPEN.
VK2HPM	1ST ENTRY TO THIS CONTEST AND ONLY SECOND CONTEST EVER. I AM 16 YEARS OLD - ONLY HAD MY CALL FOR 3 MTHS.
VK2LEE	WORKED OUT HOW TO DO SOFTWARE LOGGING AFTER THE CONTEST - WOULD HAVE BEEN GREAT IF I HAD WORKED IT OUT BEFORE THE CONTEST!
VK3JS	GOOD RESPONSE THIS YEAR. WORKING QRP NOT EASY BUT I WAS HAPPY WITH THE AREAS WHERE I WAS HEARD.
VK4BUI	20M BAND WAS POOR FROM VK4 - GUESS DUE TO DECLINING SOLAR CYCLE. MOST ENJOYABLE NONE THE LESS - A FRIENDLY CONTEST.
VK6ZN/4	PORTABLE AT HERVEY BAY, QLD.
VK7GN	NOT MUCH TIME ON AIR - GOOD LONG PATH TO EU.
VK8HPB	THANKS FOR THE CHANCE TO BE IN THE CONTEST AS I HAD A BALL!! WORKING PILE-UPS FANTASTIC!!! WHAT A BUZZ!!
W7KPL	RATS! I MISSED 9M1A ON 15M.
WH2V	I ENJOYED MY FIRST CONTEST ON GUAM ISLAND.
YB0WWW	ENJOYED THE TEST EVEN THE PROPAGATION WAS NOT SO GOOD IN YB0 LAND.
YB5BO	THANKS FOR A NICE CONTEST! I WILL BE BACK NEXT YEAR.
ZL1AWF	I AM 84 YEARS OF AGE - MANY THANKS FOR RUNNING THE CONTEST.
ZL2001SWL	I ENJOYED THE CONTEST AGAIN. THANKS FOR ALLOWING SWL PARTICIPATION.
ZL3AB	MY FIRST EVER CONTEST AND IT WAS FUN! POOR SCORE REFLECTS TIME AVAILABLE - WILL TRY AND HAVE MORE TIME NEXT YEAR
ZL6QH	THANKS FOR THE FUN CONTEST. CONDITIONS SEEMED REASONABLE - GOOD RUNS ON ALL BANDS FROM 80M TO 15M. NO OPENING TO EUROPE ON 10M AND 160M WAS LIMITED TO VK/ZL STATIONS.

CW Comments

Callsign	**Comments**
7K2PBB	I AM 3RD CLASSED IN JA.
7S2E	BETTER CONDX THAN LAST YEAR. I WAS MONITORING 160M BUT DID NOT HEAR ANYTHING. I MANAGED TO WORK VK6DXI ON 5 BANDS - THE ONLY ONE I HEARD ON 10M AND HE WAS 599 ON SUNDAY MORNING.
DH2URF	THANK YOU FOR CONTEST AND 2003 CONTEST RESULTS.
EI4CF	NICE TO WORK THE ANTIPODES!
ES4MM	THANKS FOR NICE CONTEST!
G0VQR	I AM LOOKING FORWARD TO SUNSPOT MAXIMUM WHEN I CAN PUT IN A BETTER EFFORT.
G3GLL	BAND CONDITIONS QUITE GOOD.
HB9CZF	HANDED OUT A FEW POINTS FOR FUN.

HB9IK	WHAT A FINE CONTEST FOR SO MANY YEARS.
JA1HFY	TU FOR THE GOOD CONTEST - CU IN 2005.
JG1UKW	I ENJOYED THE CONTEST.
JO1WIZ	THANK YOU FOR SENDING THE RESULTS AND RULES EVERYTIME. THE SERVICE IS EXCELLENT!
JR1NKN	THANK YOU FOR THE QSOS.
K0IO	ALWAYS FUN!
K3TW	IT WAS GREAT TO HEAR SO MANY LOUD SIGNALS ON 7 MHZ CW.
N7IR	NEXT YEAR I'LL GET UP EARLIER AND HIT THE LOW BANDS.
OH2HMB	10M WAS A SURPRISE - THANK YOU FOR ANOTHER EXCITING CONTEST.
OH3GD	STRONG AURORA CUT THE LP PROPAGATION BUT SP CONDX WERE RATHER GOOD. HOPEFULLY CUAGN NEXT YEAR.
OK2BVG	VERY NICE CONTEST!
OM1AW	NEVER BEFORE IN MY HAM CAREER HAVE I CONTACTED MORE THAN TWO STATIONS FROM OCEANIA IN ONE DAY! BEST SUCCESS TO ORGANIZERS.
OZ5DX	TKS FOR THE NICE RESULTS FROM 2003. CONDX GOOD - HAPPY AND SURPRISED TO WORK VK6DXI ON 5 BANDS.
OZ7BQ	WITH SUNSPOT NUMBER NEAR 30 AND QRP IT IS HARD TO MAKE IT - BUT IT CAN BE DONE.
OZ8AE	REALLY LONG TIME SINCE I HEARD SUCH GOOD OC SIGNALS ON THE BANDS. JUST BEFORE THE EU CONTEST STARTED AT 1500 UTC I HEARD ZL6QH 589 ON 40 METERS - REALLY AMAZING!
PA0MIR	WE JUST HEAR A FEW STATIONS AND THEN 100 EU'S START CALLING! SO MY LOW POWER IS GENERALLY NOT SUFFICIENT TO GET THROUGH THE WILD PILEUP - ANYWAY PLEASED TO HAND OUT A FEW POINTS.
PY7OJ	TKS FB TEST.
SP3BGD	TNX FOR NICE CONTEST 2004.
TF3DX	I MADE 22 QSOS - OFTEN DONE MUCH WORSE HERE FROM THE AURORA ZONE! ONLY DEPENDABLE PATH FROM TF TO OCEANIA IS A STABLE ZL WINDOW ON 20 M AROUND 700-800 UTC: BUT THE ZEDDERS WENT ELSEWHERE BEFORE IT REALLY OPENED UP! BEACON ZL6B WAS DELIVERING GOOD SIGNALS AT THE END OF CONTEST BUT NO QSOS.
UA1-143-1	DR OM'S! VERY TNX FOR NICE DX CONTEST AND RULES FOR 2004.
UA1ZZ	TNX FOR THE VERY NICE CONTEST.
UR7EQ	THANKS RO ALL OC HAMS WHO LISTEN TO ME.
US6IMA	FB CONTEST! GOOD ACTIVITY FROM VK & ZL. I MADE MY FIRST QSO WITH ZL6QH ON 40M.
UT1ZZ	VERY GOOD PROPAGATION BUT DID NOT HAVE ENOUGH TIME.
VA7ST	GREAT FUN AS ALWAYS.
VK2GR	GOOD CONDITIONS - APART FROM POWER LINE QRM IN SYDNEY
VK3JS	REALLY ENJOYED THIS CONTEST. I AM AMAZED AT WHERE A QRP SIGNAL CAN GO! MANY THANKS.
VK4BUI	NOT MANY STATIONS FROM USA ABOUT - EU HUMMING. THANKS FOR ORGANISING THE CONTEST.
VK4EMM	I OPERATED A PORTABLE STATION AT ALTITUDE 430M ABOVE SEA LEVEL - GREAT TO WORK N6RO ON SIX BANDS.
VK7GN	NOT MUCH TIME FOR OPERATING BUT AS USUAL, A LOT OF FUN.

VU2UR IT IS INDEED NICE TO BE IN THE CONTEST AGAIN. MANY ZL AND VK STATIONS COULD NOT HEAR MY LOW POWER CALLS AND THUS I MISSED SOME GOOD MULTIPLIERS.

W1RM PITY THERE WASN'T MORE ACTIVITY ON 40M.

W7DRA I WAS HOPING TO MAKE A KILLING ON 160 WITH A NEW 160M VERTICAL AND BEVERAGE – BUT NO LUCK. COULD NOT HEAR ANYTHING ON 80 EITHER.

W7KPL GREAT OPENING ON 15 METERS. 20 METERS OPENED UP FOR ME – THOUGHT THE BAND WAS DEAD. GREAT CONTEST!

YJ0AX LAST CW OPERATION WAS 20 YEARS AGO – BOY DID I HAVE A RUDE AWAKENING. RELUCTANTLY I MUST ADMIT I ENJOYED THE CW SO A NEW OP WILL BE ON AIR IN THE VK CW CONTEST WEEKENDS. EVEN MY WIFE ENJOYED NOT HEARING THE VOICE HI HI!

YL2PQ TNX FOR NICE CONTEST!

ZM1A OUR FIRST EXPERIENCE IN THE MULTI-SINGLE CATEGORY – GREAT FUN BUT WE NEED MORE ANTENNAS AND 160M CAPABILITY. NEXT YEAR WE HOPE THERE WILL BE MORE PARTICIPANTS ESPECIALLY FROM OCEANIA AND, AS ALWAYS, BETTER CONDITIONS.

ZL6QH AN ENJOYABLE CONTEST AS USUAL, ALTHOUGH CONDITIONS POORER THAN IN 2003. SOME GOOD OPENINGS ON 10M.

Annex 4: 2004 Equipment and Antennas

PHONE Section

Callsign	Equipment	Antennas
4F1MEU	ICOM IC-718	INVERTED VEE WIRE ANTENNA
7K2PBB	10W	WHIP ANT UP ABT 13MH
9A4P	FT 920	100 W
9V1AL	IC718	DIPOLE
DK7YY	700W	DJ2UT BEAM @ 35 M
DL1DQY	8W INPUT	GP/W3DZZ
DL1HSR	ALINCO DX70	TA33
DL1TC	750W	3 EL YAGI
DL9MKA	IC775DSP 500W	4EL YAGI 20 M 2EL YAGI 40M
DU4JT	IC707 100W	DIPOLE 10M HIGH
DX1RN	IC725 100W	DIPOLE 20M HIGH
E21EIC	KENWOOD TS-940S 100W	MOBILE ANT AT THE DOOR UP 25 METERS
EA3EYD	TS430S: HOME MADE LINEAR AMPLIFIER 600W	4 ELEMENTS BEAM THREE BAND KLM: AND DIPOLE FOR 40-80.
ES1QD	YAESU FT-920 + PA-400W	A4S (4EL 3BAND YAGI)
EY8MM	30W	C31XR ANTENNA
F5RMY	IC-746 80W	4 EL CUBIC QUAD
G0BPK	100W	VERTICAL ANTENNA OR LOW DIPOLE
IK2QPR	FT920 100W	3 EL CUSHCRAFT
IK5WGK	TS-940	1 EL LOOP
IZ4DIG	KENWOOD TS850	YAGI 4 EL 3 BAND
IZ4DYQ	KENWOOD TS940	MOSLEY PRO57-B
JA0XD	ICOM IC-756 100W	3EL YAGI
JA1AAT	TS-850SL 100W	TA-33 DIPOLE
JA1CMD/0	50W	
JA1GLE	FT-920S 10W	2EL/5EL YAGI
JA1HFY	FT920 100W	GP AND DIPOLE
JA1KK	IC-706 MK IIG	TRIBAND ROTARY DIPOLE
JA2MWV	FT-107 5W	14MH 4ELE-YAGI
JA7ADV	IC756 50W	MINI HYBRID QUAD
JA7ODY	FT-1021 200W	7:14:21 MHZ YAGIS: 28MHZ DIPOLE
JA8-3769	IC706	INV VEE
JE1COB	FT-101ZD: 100W	DIPOLE
JG1GCO	TS-850S 100W	CUSHCRAFT R5
JG2REJ	IC-7750 DX II 200W	5 EL
JI7WPV	FT-857M 50W	T2FD AND MULTIBAND VERTICAL

JM7EPG	FT-1000MP 100W	4 EL YAGI: 4OM DIOPLE: 2 EL 10M
JR3KAH	FT757SX	GP
JR9NVB	TS0680S	1/4 WAVE VERTICAL
KV2M	IC-746 PRO	GAP VERT UP 33 FT
KV2R	IC-746 PRO	GAP VERT @ 33 FT
LZ2F-319	TS430S	DELTA LOOP
LZ4UU	TS430 100W	INV VEE
N4MM	FT1000MP 100W	TH11DXX
OH1BV	IC736 + ALPHA 91B	CUSHCRAFT X9: HOMEMADE LOOP
OH2LU	ICOM IC-756 PRO II + ACOM-1000: 500W	3/4/4-EL YAGIS (28-21-14 MHZ): DIPOLES (7-3.5 MHZ)
OK1BA	100W	LW ANT
OK1DVK	TS870 AL-811 500W	HF8 VERTCAL
OK1KZ	TS430S 90W	G5RV
OM3MB	TS430S 1KW	HF6V VERTICAL
ON4CAS	ICOM IC756PRO	CUSHCRAFT A3S
ON4XG	KWM 2A 90W	2 EL QUAD
OZ1FAO	FT1000MP MK-V + L4B	5EL 3-BANDER
PA0JNH	FT1000MP MK V	R8 - FB13
PA0LRK	100 WATTS	2 EL YAGI
PA7A	TS850 + AMP 400W	4ELE 7MHZ YAGI 38M HIGH
R3A-847	17 TUBE RX	INVERTED VEE
RA0LE	TS520 100W	INV VEE
RA1TV	YAESU FT-920	DELTA LOOP 80M
RV3AR	FT-817 5W	DELTA
RZ3BY/0	ALINCO DX-70: POWER 200W	DIPOLE-80M: 3 EL YAGI-40M: 8 EL LOG YAGI-20M: 4 EL QUAD-15M: 5 EL QUAD-10M
SM3-8055	RX 1C-R75	LW 40 METRES
SN0ZX	IC-746: 100W	GP
SP3GHK	TS930 200W	GP
SP3GXH	IC 746 PRO PA 500 W	X-7 BEAM INV.V 40M
SP4AAZ	FT 920	VERTICAL
SP4LVK	FT-101ZD 50W	DIPOLE
SP9GFI	IC751A	G5RV
SP9HZF	TS940S 100W	INV VEE + DIPOLE
SV2AEL	KENWOOD TS440S	R7 VERTICAL
UA0-107-181	FT920	
UA0LCZ	FT920 100W	
UA4QK	100W	GP
UA9AX	TX/RX- IC7400	ANT- RQ35 4/3/2 EL QUADS
UA9XRV	40 W	GP
US-I-666	R-309	LW

US5ZZ	HOME-MADE 40W	DIPOLE DL7AB
UT1ZZ	HOME-MADE	DIPOLE DL7AB
UT5MB	100W	DIPOLE
UX2IQ	TS570DG 100W	2EL QUAD
VK2APG	FT1000MP MK5 400W	TE33
VK3JS	QRP	
VK7XRN	ICOM 706MKIIG	OCF DIPOLE
W7AV	IC-746 1200W PEP	FORCE 12 - SIGMA 280 ULTRA
YB0A	ICOM 736	YAGI 4 ELEMEN MONO 20M: 34MH
YB1UUN	TS450S 100W	VS-2440
YB2OBL		CUBICAL QUAD 4 EL 32 MH
YB2OK	IC718 100W	INV VEE 10M HIGH
YB4IR	TS850SAT 100W	TH6DXX
YB5BO	YAESU FT-80 C 100W	10/15/20 M - TH7DX 25 M HIGH
YO3CZW	YAESU FT-840: 100W	DIPOLE FOR 1.8-3.5 MHZ
YU7KM	FT901DM 250W	TH3 AND INV V
ZL3AB	KENWOOD TS430	END FED ZEPP IN ATTIC
ZL3DW	100W	
ZL6QH	FT1000MP RADIOS PLUS AMPS	160M/80M - VERTICALS: 40M/20M/15M - RHOMBIC AND VEE BEAMS (300M LEGS): 10M - 6 ELEMENT YAGI BEAMS

CW Section

Callsign	**Equipment**	**Antennas**
7K2PBB	10W	WHIP ANT UP ABT 13MH
CU2JT	KENWOOD TS-570D 100W	40M 1/4 WAVE VERTICAL: 20 M 1/2 WAVE VERTICAL: 15 M 3/4 WAVE VERTICAL
DH2URF	ATS 803A	LW 20M
DL1DQY	8W INPUT	GP/W3DZZ
DL6UNF	IC775DSP 200W	R7/DIPOLE
EI4CF	ICOM 7800	X7 FOR HF WINDOM FOR LF
ES1QD	YAESU FT-920: PA-400W	A4S (4EL.3BAND YAGI)
ES4MM	ICOM IC-707 90W	VERTICAL ANT
G0VQR	FT1000MP 400W ACOM AMP	DIPOLE
G3GLL	FT1000MP AL811	3EL TRIBAND 7MHZ 1/2 SLOPER 3.5MHZ TOPLOADED VERT
HA8LKB	FT757 100W	DIPOLE: INV-VEE: DELTA-LOOP
HA8MT	TS 570 D WITH 100W	3 EL MONOBANDER UP 22 METERS
HB9CZF	K2/100W	3 EL STEPPIR: 41M LW
HB9IK	TEN-TEC 580 + AMP 600W	3 EL YAGI + LOOP
IZ8GCB	YAESU FT-920	VERTICAL GAP CHALLENGER DX

JA0XD	ICOM IC-756 100W	3EI YAGI 40M DIPOLE
JA1AAT	TS-850SL 100W	TA-33 DIPOLE
JA1HFY	FT920 100W	GP AND DIPOLE
JA1PS	IC-746 100W	DIPOLE @ 20 METRES
JA2KKA	FT-757GX 100W	3ELE TRIBANDER
JA7ODY	FT-1021	3 EL YAGI
JE1COB	FT-101ZD 100W	DIPOLE
JE2HVC	IC775DSP FL2100Z 500W	VERTICAL
JG1IGX	TS950 TL922 1000W	BEAMS
JK1LUY	IC-756PRO + FL-2100B 500W	4EL YAGI 20MH
JO1WIZ	IC706MKII 50W	LOADED DIPOLE
JR1NKN	FT-817:	GP@10MH.
JR9NVB	TS680S 50W	VERTICAL
LU1EWL	100W	
LY3CW	TS450 400W	4 EL TRIBANDER + INV V
LZ1RGM	TS-830S 100W	15M 3 EL YAGI: 20M DELTA LOOP. 40 & 80 M DIPOLES
LZ2F-166	TS430S	DELTA LOOP
LZ4UU	TS430 100W	INV VEE
LZ7H	100W	DIPOLE
N4MM	FT1000MP 100W	TH11DXX
N6RO	FT1000MP: ALPHA 76; TRLOG S/W	YAGI STACKS (2 EACH ON FOUR 135' TOWERS): 4/4L ON 40M; 5/5 ON 20M; 6/6 ON 15M; 5/5 ON 10M; 2L DELTA LOOPS ON 80M; 4 SQUARE ARRAY ON 160M
NO6X	YAESU MARK V 200W	DIPOLE
OH2HMB	FT107M POWER 100W	HORIZONTAL LOOP 80 MTR: MOXON RECTANGLE 20M
OH3GD	TS820S AMP	DIPOLE
OK1KZ	TS430 90W	G5RV DIPOLE
OK2ABU	Z SPEKTR MIII: Z HORN II PA 750W OUT	3B3 ECO ANT
OK2BNC	IC746 100W	R7000
OL5DX	100W	DIPOLE
OM3MB	TS430S 1KW	HF6V VERTICAL
OM3OM	TS680 + AMP 1KW	LF INV VEE: BEVERAGE HF 2 ELE QUAD
OM4JD	IC 746	EXPLORER-14 DELTA LOOP
OM7AT	KENWOOD 100W	W3DZZ
OM7PY	FT757GX	3 EL YAGI
OM8ON	FT757GX	DIPOLE
ON4XG	KWM2-A 90W	2 EL QUAD
OZ1FAO	FT1000MP MK-V + L4B	5EL 3-BANDER
OZ7BQ	ELECRAFT K2 RUNNING 10W	DIPOLE

OZ8AE	IC-775DSP WITH 100W	43 METER VERTICAL LOOP + TH3MK4 AT 11 METERS
R3A-847	17 TUBES	INVERTED VEE
RA3XCW	YAESU FT-920	MULTIBAND VERTICAL
RA9HTO	80W	
RU9UC	FT1000MP 100W	GAP MULTIBAND VERTICAL
RX3AP	100W	INV VEE
SM4TU	IC706MK11 300W	G5RV
SP2B	TS2000	40M-W3DZZ: 20/15/10 GP
SP2EPV	HOMEBREW 20W	DIPOLE
SP3AZO	TS440 100W	GP
SP3JUN	TS515	GP
SP3LWP	IC730 80W	5/8 GP
SP3XR	FT101	2EL QUAD
SP4AAZ	FT920	VERTICAL
SP4AVG	TS-520 SE 120W	GP
SP5GH	T-4XC DRAKE 500W	10 MTR VERTICAL
SP8BAB	IC 730 100W	QUAD
SP9FKQ	TS570V	TH6DX INVERTED V
SP9GFI	IC751A	G5RV
SQ9FMU	IC-746: 100W	GP
UA0-107-181	FT920	
UA0CA	FT-1000 MP MARK-V FIELD + PA	80M-GP: 40M-EF240: 20/15/10-C31XR
UA0LCZ	FT920 100W	
UA0SAD	MARK-V FIELD	2-EL QUAD: DELTA.
UA1-143-1	EKD-300	80M DELTA LOOP + L.W.
UA1ZZ	FT757GX 100W	DELTA LOOP
UA4COL	50W	GP
UA4QK	100W	GP
UA6LCN	100W	
UA9XF	FT-840 300W	DIPOLES
UN7EX	100W	
UR7EQ	100W	VERT
US6IMA	HOMEMADE TRCVR UW3DI WITH AMP 200W	GP UA1DZ
UT0RM	TS-870S : 100W	DIPOLE
UT1ZZ	HOMEMADE	DIPOLE DL7AB
UX5EF	100W	R7000
VK2GR	ICOM IC720A	450 OHM FED DIPOLE FOR 160/80/10M: COAX FED INV-VEES FOR 40M:20M
VK4BUI	FT1000 MP MK V	4 EL DELTA LOOP
VK4EMM	TS850 AND FT1000MP	BUTTERNUT VERTICAL AND BASE LOADED POLE FOR 160M

VK4TT	FT1000MP	3 BAND YAGI + INV "V"
W7DRA	300 WATTS TO SINGLE 304TH	40M DIPOLE
YL5M	TS-180S	DELTA LOOP: VERTICAL
YU7KM	FT901DM 250W	TH3 AND INV V
ZL6QH	FT1000MP RADIOS + 500W AMPS	VEE BEAMS TO NA, AS AND EU: RHOMBIC TO EU: 6EL YAGIS FOR 10M AND VERTICALS FOR 80M & 160M